Baku State University

ANNUAL PROGRESS REPORT: 2025

Baku State University
http://sdg.bsu.edu.az/

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Baku State University
http://sdg.bsu.edu.az/

Baku State University

2025 REPORT ON

1 NO POVERTY

INTRODUCTION

Baku State University (BSU) adopts a strategic, inclusive, and socially responsible approach toward advancing Sustainable Development Goal 1 – No Poverty within the framework of the United Nations' sustainable development agenda. Recognizing that poverty remains one of the most significant global challenges affecting social stability, economic development, and equal access to opportunities, the university positions higher education as a powerful instrument for breaking the cycle of poverty and promoting sustainable human development. By ensuring equitable access to quality education, fostering inclusive policies, and strengthening community engagement, BSU contributes to national and global efforts aimed at reducing poverty and improving social well-being.

Access to higher education is widely acknowledged as a key driver of social mobility and economic empowerment. In this context, BSU implements a comprehensive system of financial and institutional support designed to eliminate economic barriers that may prevent talented individuals from pursuing university studies. These mechanisms include state-funded scholarships, merit- and need-based financial aid, tuition waivers, and subsidized student housing. Through these measures, the university ensures that students from low-income families, rural areas, and socially vulnerable groups are provided with equal opportunities to access and successfully complete higher education. By prioritizing inclusivity and affordability,

BSU helps create an academic environment where students can focus on their intellectual and professional development without the burden of financial hardship.

Beyond direct financial support, BSU integrates poverty reduction perspectives into its academic and research activities. The university actively encourages its academic staff and researchers to investigate socio-economic inequalities, develop innovative policy recommendations, and contribute to evidence-based strategies aimed at reducing poverty. Faculty members engage in interdisciplinary research addressing issues such as income inequality, regional development, labor market challenges, and social protection systems. Through partnerships with government institutions, civil society organizations, and international bodies, BSU scholars contribute their expertise to initiatives designed to promote inclusive growth and sustainable development both within Azerbaijan and in the broader international context.

BSU also recognizes that universities play an essential role not only as educational institutions but also as agents of social transformation. Through community outreach programs, public lectures, training workshops, and knowledge-sharing platforms, the university actively extends its expertise beyond the academic environment. These initiatives aim to equip local communities, young professionals, and vulnerable groups with practical skills, entrepreneurial knowledge, and educational opportunities that enhance employability and economic resilience. By strengthening the link between academic knowledge and real-world societal needs, BSU helps foster a culture of empowerment, innovation, and sustainable development.

Furthermore, the university promotes a holistic institutional culture that supports social inclusion, equal opportunity, and responsible citizenship. Student-led initiatives, volunteer activities, and collaborative projects encourage active participation in addressing social challenges, including poverty and inequality. Such engagement allows students to develop leadership skills, social awareness, and a strong commitment to community service while contributing to meaningful social impact.

Through the integration of inclusive education policies, research-driven solutions, and active social engagement, BSU contributes to long-term efforts aimed at poverty alleviation and sustainable development. By empowering individuals through knowledge, expanding opportunities for disadvantaged groups, and supporting evidence-based policy development, the university reinforces its commitment to advancing global sustainability goals.

In this way, BSU not only supports the academic success and well-being of its students but also plays a significant role in promoting social equity, economic inclusion, and sustainable societal progress in alignment with the principles and objectives of the United Nations' Sustainable Development Goals.

NO POVERTY (SDG 1)

Baku State University (BSU) is a state university in Azerbaijan, and in addition to paid education, there are also seats which are allocated under the state order. These state-funded places are provided within the national higher education admission system and represent an important mechanism for ensuring equitable

access to university education. Such seats are taken by students who pass through the national competition for free education, gaining more points than their competitors in the centralized admission examinations, regardless of their material well-being. In this way, the system ensures that academically strong applicants are able to pursue higher education without the financial burden of tuition fees.

BSU is a state university, and in addition to paid education, there are also seats which are allocated under the state order. These places play an important role in expanding access to higher education and supporting talented students across the country. They are awarded to applicants who successfully pass the competitive admission process for free education by achieving higher examination scores than other candidates, irrespective of their socio-economic status or financial background. As a result, the allocation of these state-funded places promotes merit-based access to education and enables capable students to continue their academic development at the university without financial constraints.

The University is interested in the fact that every student who has been invested effort and knowledge graduates from the University.

Mostly, assistance to BSU students from low-income families is provided as free education, and jointly with the student union, targeted material assistance after the application is reviewed and considered.

In accordance with the Accommodation Policy, some students at Baku State University can count on a place in the university dormitory, which is located within walking distance from the main buildings. When considering applications, one of the main criteria for allocating places in a dormitory is the financial need of the student. It should be noted that the cost of living in this hostel is lower than the regional average, and it should also be noted that there are no provisions for travelling to the university and back.

The university provides free legal and psychological support to all students and teachers if they apply.

The university is interested in ensuring that all students, regardless of their financial situation, receive higher education. The university is doing everything possible to ensure that as many students as possible are sponsored by the state.

Baku State University has adopted a multidimensional approach to tackling the root causes of poverty through a variety of initiatives and partnerships. Several key events organized by BSU exemplify the institution's practical steps toward this global goal.

ACTIVITIES CARRIED OUT AT BSU IN 2025 IN THE DIRECTION OF SDG 1

Members of BSU Student Trade Union visit the Women and Children Shelter Rehabilitation and Reintegration Center

On the occasion of June 1 – International Day for Protection of Children, a visit was organized by the Baku State University (BSU) Student Trade Union Committee (STUC) to the "House of Love" Women and Children's Shelter Rehabilitation and Reintegration Center.

For more information please click

BSU Ranks in the Top 600 in the Times Higher Education Impact Rankings 2025

Baku State University (BSU) has been ranked among the top 600 universities globally according to the 2025 “Impact Rankings” published by Times Higher Education (THE), one of the world's most prestigious ranking agencies. The university secured a position in the 401–600 range, marking a significant improvement from last year’s 1001–1500 range.

BSU's overall performance score increased by 35%, rising from 53.2 to 71.8 — a reflection of the university’s strategic reforms and initiatives in the field of sustainable development.

BSU placed in the global top 100 universities for four SDGs: SDG 1 (No Poverty), SDG 4 (Quality Education), SDG 5 (Gender Equality), and SDG 10 (Reduced Inequalities). Additionally, the university ranked in the 101–200 range for

SDG 15 (Life on Land) and SDG 16 (Peace, Justice and Strong Institutions), and in the 201–300 range for SDG 2 (Zero Hunger), SDG 6 (Clean Water and Sanitation), SDG 8 (Decent Work and Economic Growth), and SDG 14 (Life Below Water).

For more information please click

“Excellence” scholarship established at BSU

Starting from the 2025/2026 academic year, Baku State University (BSU) will award a targeted scholarship named “Excellence” to students admitted to undergraduate programs with scores exceeding 550 who also achieve the highest results among applicants in various fields.

These students will receive a monthly stipend of 200 AZN until the end of the academic year.

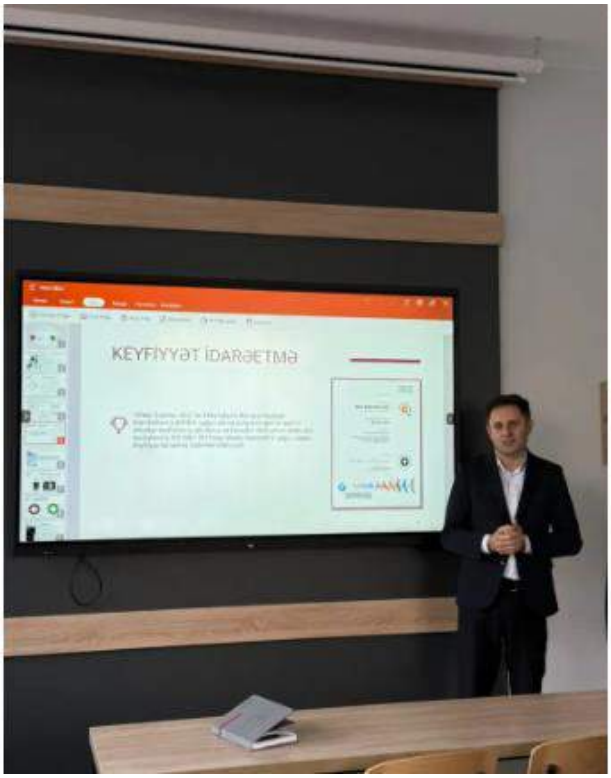
For more information please click

Training on “Sustainable Future Through Insurance” held at BSU

A training session titled “Sustainable Future Through Insurance” was held for students at Baku State University (BSU), jointly organized by the BSU Career and Alumni Center and the Labor Market and Social Protection Affairs National Observatory under the Ministry of Labor and Social Protection of the Population. The session was delivered by Emil Aghabaghırov, Social Insurance Trainer at “Mega Insurance” OJSC.

During the training, Emil Aghabaghırov presented the concept of insurance, its types, stages of historical development, operational principles, as well as the role of insurance mechanisms in strengthening social protection. He also discussed the advantages of voluntary insurance and the importance of public–private partnership in this field.

For more information please click



Awareness seminar on industrial property and patent registration at BSU

An awareness seminar titled “Objects of Industrial Property and Their Registration” was held at Baku State University (BSU) through the joint organization of the University’s Center for the Organization of Scientific Activity and Innovations, Intellectual Property Protection Department, and the Intellectual Property Agency.

Professor Mais Suleymanov, Director of the Institute of Physics Problems under BSU, spoke to participants about the importance of protecting intellectual property and the role of industrial property in fostering an innovative environment.

Anar Huseynov, Director of the Center for Patent and Trademark Expertise under the Intellectual Property Agency, provided information on the purpose of the seminar, the significance of protecting industrial property objects, and the role of patenting within the innovation ecosystem.

During the continuation of the seminar, Sevinc Zeynalova, Head of the Department for Invention and Utility Model Expertise; Sevinc Dunymalizade, Leading Consultant of the Chemistry Division; and Firuza Bahrmova, Expert at the Center for Patent and Trademark Expertise, provided extensive information on the examination of intellectual property objects, international and regional patenting procedures, preparation of application documents in the fields of chemistry and medicine, as well as the functionality of the "PƏNAH" digital information system.

For more information please click

A scientific seminar will be held organized by BSU within the framework of the Baku Climate Action Week

On September 30, the Baku Climate Action Week (BCAW) (https://bakuclimateactionweek.org/) commenced. Running until October 4, the

BCAW has been organized in collaboration with the London Climate Action Week as a preparatory event for the 29th Session of the Conference of the Parties (COP-29) to the UN Framework Convention on Climate Change, which will take place in Baku this November. The event aims to create an important platform to engage the public in climate change-related activities and mobilize global efforts in the fight against climate change.

As part of the Baku Climate Action Week, a scientific conference on "Accelerating Research and Collaboration for Climate Action" will be held on October 4, 2024, at 10:00 AM at the JW Marriott hotel, organized by Baku State University (BSU).

The main topics of the conference will focus on the scientific and practical aspects of climate change. Discussions will include the importance of empirical data, artificial intelligence, and advanced analytical tools for making significant progress in climate action, the impact of climate change on transboundary water resource management, new approaches and international cooperation mechanisms in this regard, as well as the synergy of joint initiatives at the international level and relevant global and regional cooperation opportunities.

There will be extensive discussions around the main topics of the conference:

1. Role of Artificial Intelligence and Advanced Analytical Tools: The conference will discuss the use of artificial intelligence technologies for predicting climate change and combating it. The processing of empirical data

and advanced analytical tools play a key role in more accurate and rapid climate change forecasting and the effective implementation of climate policies. Discussions will focus on the applications of artificial intelligence in climate modeling, the analytical processing of large data sets, and ways to make optimal decisions based on real-time data. This topic is also crucial for accelerating climate action on a global scale.

2. Impact on Transboundary Water Resource Management: Climate change significantly affects water resource management. It can alter the quantity and quality of water resources, creating problems in interregional and international water distribution. This conference will discuss new approaches and cooperation mechanisms for managing transboundary water resources. Regional cooperation is essential for addressing this issue, with a particular focus on the global conservation of water resources and their equitable distribution. Practical proposals will be presented for the fair and environmentally sustainable management of shared water resources among neighboring countries.
3. New International Cooperation Mechanisms and Synergistic Joint Initiatives: International cooperation in combating climate change will be a central theme. Since climate change is a global issue, it requires coordinated actions between countries. The conference will explore how joint initiatives can create more effective synergy, as well as ways to establish global and regional cooperation mechanisms in this direction. Specifically, the implementation of agreements reached under the UN Framework Convention on Climate Change, more efficient realization of countries' Nationally Determined Contributions (NDCs), and the advancement of common climate goals at the global level will be key focus areas.

This comprehensive program will open opportunities for experience, research, and collaboration in the global fight against climate change and will be a significant step in the preparation for COP-29.

To view the event program, you can use the following link: Baku Climate Action Week Events Programme (pages 47-48).

For more information please click

Meeting with representatives of the Education Student Loan Fund at BSU

Representatives of the Education Student Loan Fund (ESLF) held a meeting with first-year students at Baku State University (BSU). Fund representative Fatime Abdullayeva provided detailed information about the activities of the ESLF and the procedures for granting education student loans. She emphasized that this initiative aims to support students from socially vulnerable backgrounds and encouraged them to take advantage of the opportunities created by the government. She noted that the main mission of the ESLF is to ensure accessibility to education for everyone, particularly for individuals from low-income groups, and to create equal opportunities in education.

For more information please click

Within the framework of COP29, an event titled "Sustainable Development Goals and Universities: International Cooperation Experience" has been held

Within the framework of COP29, an event titled "Sustainable Development Goals (SDGs) and Universities: International Cooperation Experience" was held in the Green Zone, organized by Baku State University (BSU) and the "EcoSphere" Social-Ecological Center.

The moderator of the event, Shabnam Safarova, the advisor to the BSU rector on digitalization and information technologies, stated that the Sustainable Development Goals (SDGs), defined by the UN in 2015, are a universal call to address global challenges such as poverty, inequality, climate change, and quality education.

In their speeches, Asiman Ilyasov, the BSU rector's advisor on quality assurance, Fariz Guliyev, the head consultant of the International Projects Management Sector of the International Cooperation Department of the State Agency for Science and Higher Education, Latifa Nasibova, Acting Executive Director of the French-Azerbaijani University, and Ganira Mammadzade, head of the Strategic Planning Department at the Azerbaijan University of Architecture and Construction, highlighted that higher education institutions serve as innovation and knowledge centers, acting as catalysts for the SDGs. They emphasized that courses on sustainable development, climate action, and global health equip students with the knowledge and skills to solve real-world problems. They also pointed out that cross-border collaboration is essential to achieving the SDGs.

In his speech, BSU Rector Elchin Babayev discussed the impact of the SDGs on the overall activities of universities. He congratulated representatives of various

universities on their achievements in international rankings and noted that these successes are a result of the activities of higher education institutions in recent years that have been aligned with the goals of sustainable development.

For more information please click

A "Youth to Business Forum" has been held at Baku State University (BSU)

A "Youh to Business Forum" dedicated to the Sustainable Development Goals was held at Baku State University (BSU) with the collaboration of BSU and the AIESEC Youth Organization, supported by the "BDU Volunteers" organization.

In his speech, Ramin Samadov, Head of the Department of Humanitarian Issues and Youth Policy at BSU, expressed his joy that such an important event was being held at the university. He emphasized that this initiative would contribute significantly to the development of young people, broaden their worldview, and help them form into successful professionals in the future.

Following the opening remarks, speakers presented on various topics. Eldar Cabrayilov shared insights on personal budget management and investment strategies, while Asif Ibrahimov provided recommendations on the initial stages of starting a business and making investments.

In the second half of the forum, speakers Alya Abbaszadeh and Shahmar Hasanov shared their experiences with participants on the efficient management of investments and practical ways to start a business. In a session presented by speaker Aqil Zakharyev titled "The Agile Project," young people were introduced to new opportunities for implementing startup ideas.

The forum continued with Elchin Babazadeh's presentation on "Stock Trading and Investment in Financial Markets." The presentation taught young people how to understand the mechanisms of financial markets and make sound investment decisions.

A session led by AIESEC representative Aydan Mikayilova covered topics such as gaining international experience, volunteering, and professional development opportunities. In his presentation on "Financing Startups," Masud Alisoy discussed various methods of financing startups and solutions to the challenges faced in this area.

For more information please click

SDG FOCUSED MEMBERSHIPS

WAITRO

ISCN
International Sustainable Campus Network

CANIE
climate action network

aashe member

GUNA
GLOBAL UNIVERSITY
NETWORK FOR INNOVATION

SDG FOCUSED RANKING RESULTS

Rated for Excellence

Baku State University

Through rigorous and independent data collection and analysis of performance metrics as set out in the QS Stars™ methodology Baku State University has been awarded 5 Stars.

TEACHING

FACILITIES

EMPLOYABILITY

GOOD GOVERNANCE

ENVIRONMENTAL IMPACT

ACADEMIC DEVELOPMENT

GLOBAL ENGAGEMENT

CHEMISTRY

DIVERSITY, EQUITY & INCLUSION

QS Stars

The QS Stars™ rating system evaluates universities across a wide spectrum of important performance indicators as set against pre-established international standards. By assessing a broader scope of criteria than any world ranking exercise, QS Stars™ illuminates the unique strengths and diversity of the rated institution with both precision and clarity.

Leigh Kamolins, Head of Evaluation

SUSTAINABILITY RANKING
RANKED
2025
WORLD UNIVERSITY RANKINGS
SUSTAINABILITY RANKINGS 2025
Baku State University
941-950
in overall performance
December 2024
Date
Ben Sowter
Senior Vice-President
QS Quacquarelli Symonds

UI GreenMetric
UNIVERSITAS INDONESIA
UI GreenMetric World University Rankings 2025
CERTIFICATE
This certificate is awarded to
Baku State University
as The 493rd World's Most Sustainable University
in 2025 UI GreenMetric World University Rankings
5 December 2025
Dr. Vishnu Juwono, S.E., MIA
Chairperson of UI GreenMetric

4. RANKING IN AZERBAIJAN

Country Ranking	SI Ranking	EC Ranking	WS Ranking
1	2	11	3

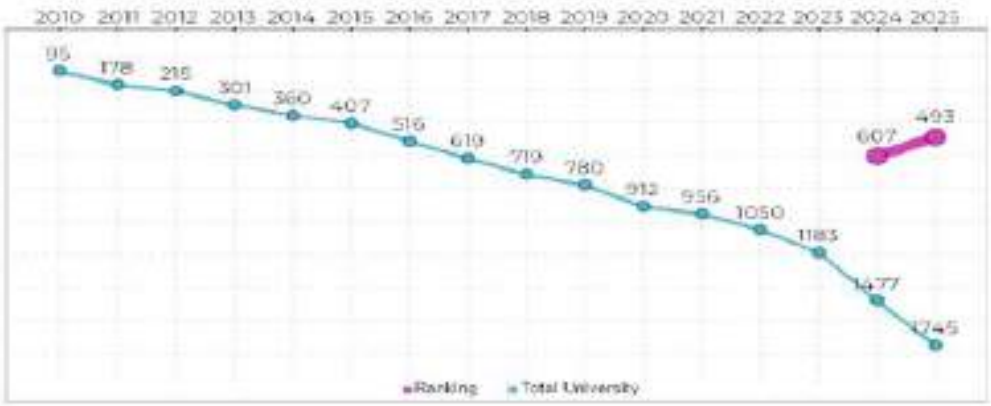
WR Ranking	TR Ranking	ED Ranking
5	1	2

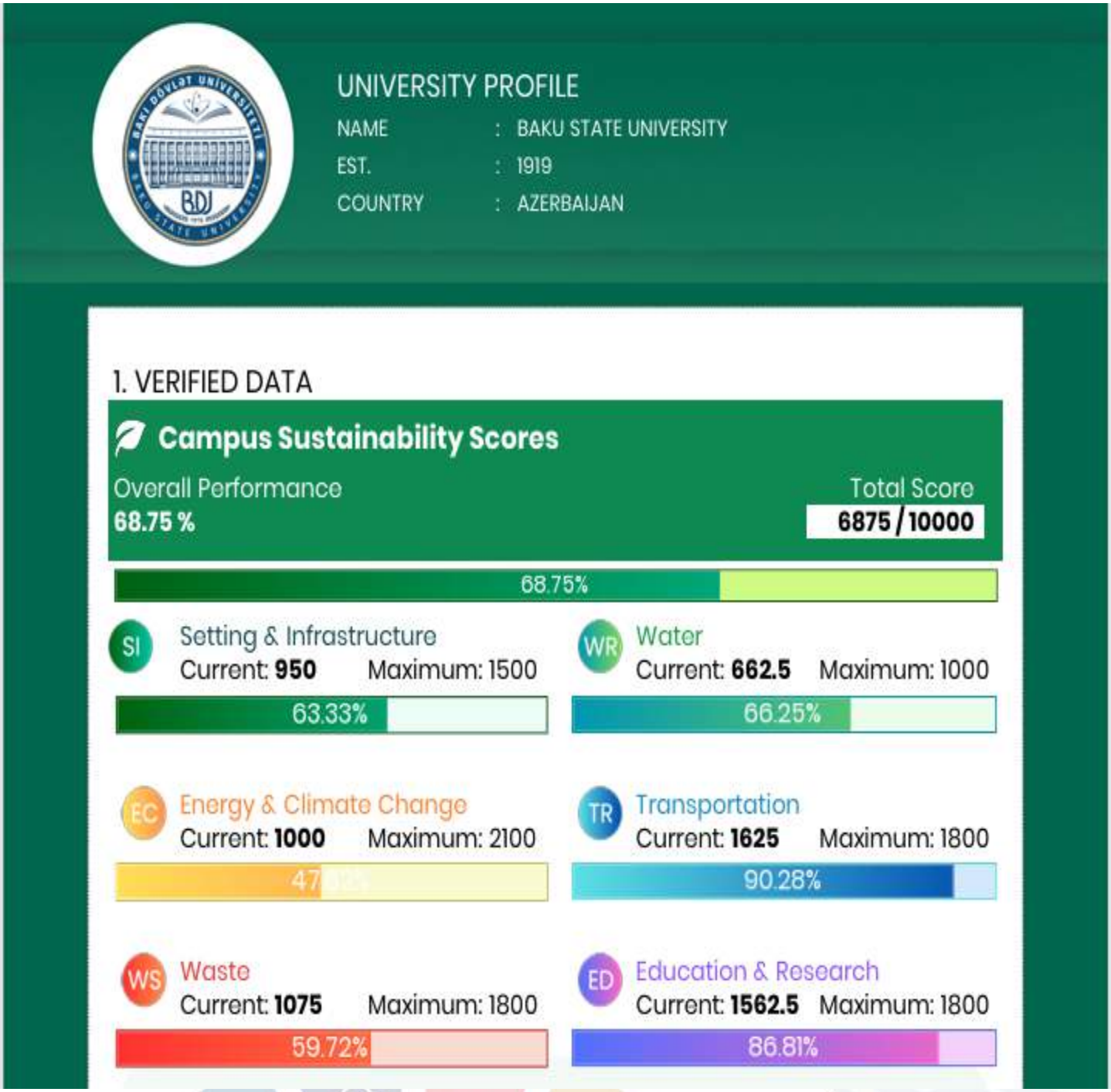
2. RESULTS SUMMARY

World Ranking	SI Ranking	EC Ranking	WS Ranking
493	660	1102	654

WR Ranking	TR Ranking	ED Ranking
607	98	239

3. WORLD RANKINGS HISTORY




UNIVERSITY PROFILE
NAME : BAKU STATE UNIVERSITY
EST. : 1919
COUNTRY : AZERBAIJAN
1. VERIFIED DATA
Campus Sustainability Scores
Overall Performance
68.75 %
Total Score
6875 / 10000
68.75%
SI
Setting & Infrastructure
Current: 950 Maximum: 1500
63.33%
WR
Water
Current: 662.5 Maximum: 1000
66.25%
EC
Energy & Climate Change
Current: 1000 Maximum: 2100
TR
Transportation
Current: 1625 Maximum: 1800
90.28%
WS
Waste
Current: 1075 Maximum: 1800
59.72%
ED
Education & Research
Current: 1562.5 Maximum: 1800
86.81%

1 NO POVERTY

THE IMPACT RANKINGS

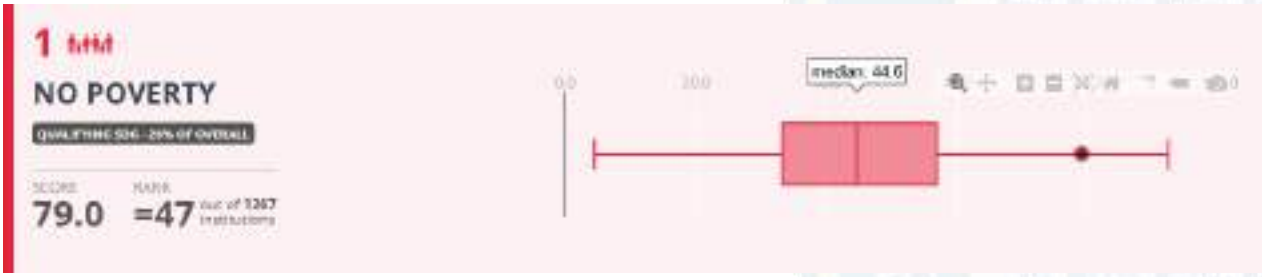
THE Impact Rankings 2025

OVERALL SCORE

71.8 out of **100**

OVERALL RANK

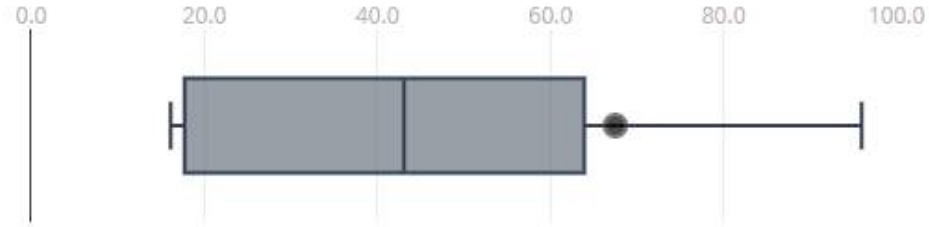
401–600 out of **2318** institutions



SCORE
67.5

Research on poverty

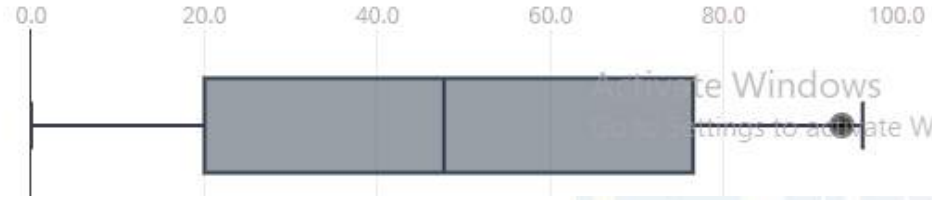
27% OF THIS SDG



SCORE
93.7

Proportion of students receiving financial aid to attend university because of poverty

27% OF THIS SDG



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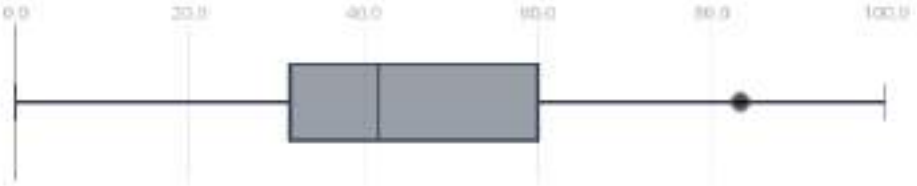
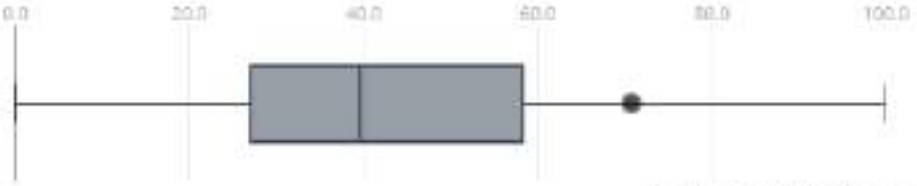
SCORE
83.3 University anti-poverty programmes
23% OF THIS SDG



SCORE
70.8 Community anti-poverty programmes
23% OF THIS SDG



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SDG FOCUSED RESEARCH

Poverty eradication remains a central global challenge and a prerequisite for sustainable development. As outlined in the United Nations' 2030 Agenda, SDG 1: No Poverty calls for ending poverty in all its forms everywhere, ensuring equal access to resources, opportunities, and social protection. Although significant progress has been achieved worldwide, poverty continues to hinder social inclusion, economic growth, and human capital development, particularly in regions facing structural inequalities, demographic shifts, and limited access to education and innovation.

For higher education institutions, including Baku State University (BSU), the relevance of SDG 1 extends beyond academic discourse; it involves contributing actively to research, teaching, community engagement, and policy development aimed at poverty reduction. Universities play a unique role as drivers of knowledge creation and dissemination, preparing graduates to address complex social challenges and shaping evidence-based solutions for inclusive development.

At BSU, the focus on SDG 1 aligns with its broader mission of fostering social responsibility, advancing human capital, and supporting Azerbaijan's national development strategies. Through multidisciplinary research, partnerships with government and international organizations, and outreach initiatives targeting vulnerable communities, BSU contributes to identifying the elshan causes of poverty and exploring innovative solutions. Furthermore, as part of its academic programs and student projects, BSU seeks to equip future professionals with the competencies necessary to design and implement sustainable poverty reduction strategies, thereby reinforcing the university's role in achieving SDG 1 both locally and globally.

All SDGs related articles please visit: Scopus – Baku State University

1. Human Capital and Demographic Challenges in Azerbaijan

Authors: Teymurova V., Abdullayeva S., Dunyamaliyeva V., Bayramli Kh.

Focus: Utilisation of human capital in rural and urban Azerbaijan (2000–2024).

Methods: Demographic data analysis + expert interviews in HR management.

Findings:

- Shortage of skilled labour (30% rural, 35% urban).
- Ageing population (60+ will reach 15%).
- Risks for innovation, growth, and social protection.

Recommendation: Stronger collaboration between government, business, and education to enhance human capital.

Full text

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2. Inequality and Well-Being across 71 Countries

Authors: Sánchez-Rodríguez, Górski M.R., Joshanloo M., Tønnessen M., +86 others

Focus: Link between economic inequality and well-being.

Methods: Cross-national analysis of perceived vs. objective inequality.

Findings:

- Perceived inequality predicts well-being more than objective inequality.
- Inequality widens the gap between current and ideal happiness, meaning, harmony, and spirituality.
- National income moderates effects.

Recommendation: Apply culturally sensitive approaches in studying inequality.

Full text

3. Foreign Investment and Economic Development in Post-Soviet States

Authors: Babayev F., Goncharenko I., Mazur H., Abdullaev U., Chernyaha L.

Focus: Role of foreign investment in Ukraine, Azerbaijan, and Uzbekistan.

Methods: Economic and SWOT analysis.

Findings:

- Positive impact on GDP, jobs, and technological progress.
- Structural shift towards competitiveness and innovation.
- Risks of over-dependence on foreign capital.

Recommendation: Improve investment climate for sustainable growth.

Full text

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4. Crime Prevention Policies in Azerbaijan

Author: Aliyeva Z.

Focus: Best practices for preventing crimes against individuals in Azerbaijan.

Methods: Data analysis (World Bank, UNODC, WGI, etc.), clustering via DBSCAN and K-Means (50 countries).

Findings:

- Albania, Jordan, Mongolia, Romania, Serbia share closest socio-economic crime determinants with Azerbaijan.

Recommendation: Use these countries' experiences to design better crime prevention policies.

Full text

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5. Global Child Mortality Trends (2000–2019)

Authors: Paulson K.R., Kamath A.M., Alam T., Bienhoff K., Abady G.G., +734 others

Focus: Child and neonatal mortality worldwide.

Methods: Longitudinal data analysis.

Findings:

- Under-5 mortality fell from 9.65M → 5.05M.
- Neonatal deaths improving slower.
- 1/3 of countries (esp. sub-Saharan Africa, South Asia) off track for SDG 3.2.

Recommendation: Invest in perinatal care, vaccination, health systems, equity.

Full text

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6. Livestock-Wealth Inequality among Maasai (Kenya & Tanzania)

Authors: Nkedianye K., Ogutu J.O., Mohammed Y., Kifugo S., de Leeuw J. +2

Focus: Livestock-wealth inequality in Maasai households.

Methods: Field research across 4 sites.

Findings:

- High livestock-wealth inequality, esp. Tarangire-Manyara.
- Male-headed households own more livestock.
- Cultivation extensive in some regions, but not directly linked to wealth inequality.
- Climate change + land fragmentation threaten resilience.

Full text

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7. Legal Certainty in Social Allowances Law of Azerbaijan

Author: Məmmədova N.

Focus: Article 9 of the Law on Social Allowances (timing of payments).

Findings:

- Ambiguity leads to misinterpretation, inconsistent court rulings.
- Veterans most affected.

Recommendation: Amend wording to ensure clarity and proper application.

Full text

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8. Space Science for Climate Adaptation & Development

Authors: Rustamov R.B., Salahova S.E.

Focus: Role of space technology (remote sensing & GIS) in climate adaptation and sustainable development.

Findings:

- Provides high-resolution data for monitoring environmental change.
- Supports natural resource management in vulnerable rural areas.

Recommendation: Improve knowledge management, capacity-building, and data integration.

Full text

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9. Gender Equity in Post-Socialist Education Reform

Authors: Magno C.S., Silova I.

Focus: Gender equity in education reforms of post-socialist countries.

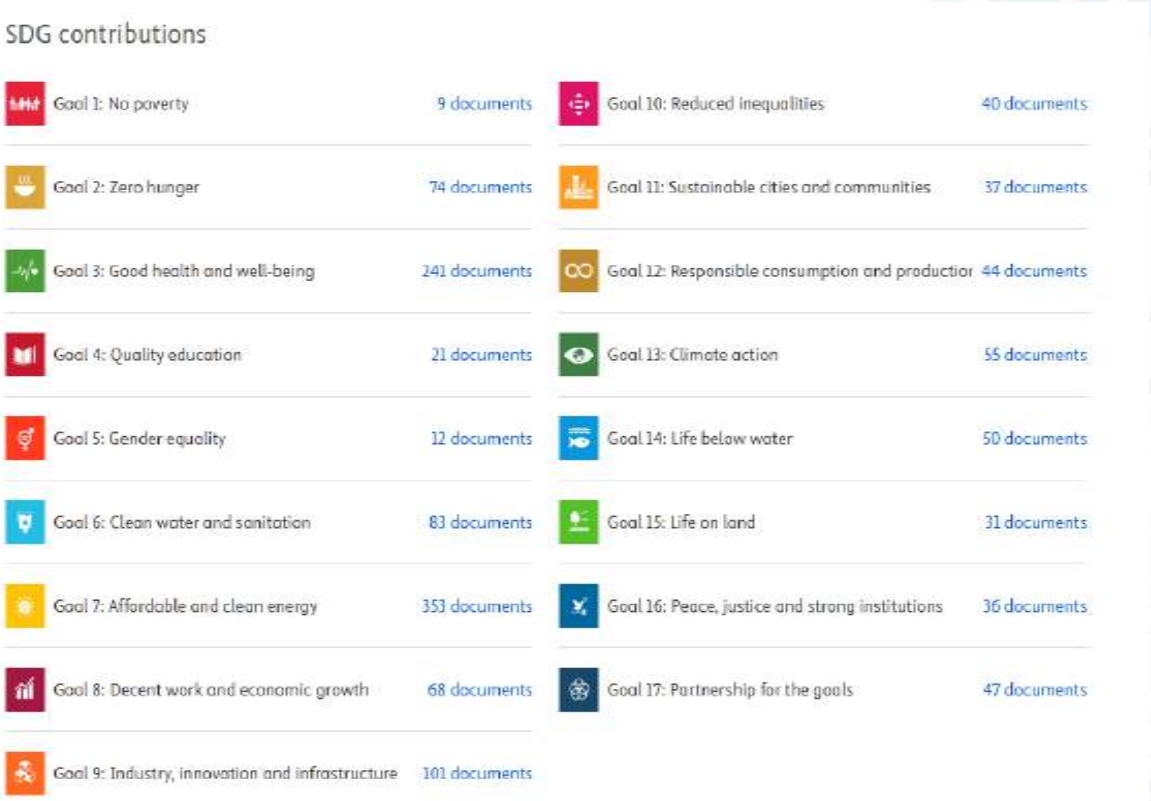
Findings:

- Transition-era reforms overlooked gender equity.
- “Gender-neutral” policies often worsened inequalities.

- Textbooks, curricula, teacher attitudes, school tracking influence outcomes. Recommendation: Integrate gender-sensitive teaching and leadership reforms.

  Full text

Research



CONCLUSION

- *Key findings from the information provided about Baku State University's efforts to address the "No Poverty" Sustainable Development Goal (SDG 1) include:*

Access to Higher Education
Approximately more than 75% of university students study for free, indicating a commitment to providing education regardless of financial circumstances.

State Scholarships
A substantial number of students receive state scholarships, further facilitating access to higher education

Financial Aid for Low-Income Students
The university provides financial aid to low-income students, supporting their pursuit of education

Inclusive Policies
Socially vulnerable groups, such as disabled individuals, refugees, and families who have lost a breadwinner, can access free education, ensuring a broader range of students can pursue higher education

Affordable Accommodation
BSU offers cost-effective dormitory accommodations, with a focus on financial need, reducing living expenses for students

Support Services
The university offers free legal and psychological support to all students and teachers, ensuring a supportive learning environment

Financial Support
Collaborating with the Union of Independent Students, BSU provides financial assistance to students in dire need and supports education lending programs. Tuition fee deferments are also available in certain cases

Faculty Involvement
Some professors at the university are engaged in policymaking, contributing to efforts to combat poverty on a broader scale.

Baku State University

2025 REPORT ON

2 ZERO HUNGER

Introduction

This 2025 Report outlines the comprehensive efforts of Baku State University (BSU) in advancing the United Nations Sustainable Development Goal 2 (SDG 2) – **Zero Hunger**. SDG 2 seeks to end hunger, achieve food security, improve nutrition, and promote sustainable agriculture through resilient food systems and equitable access to safe and nutritious food. As Azerbaijan's leading higher education institution, BSU recognizes its responsibility to contribute not only through academic excellence but also through impactful research, innovation, partnerships, and community engagement.

In response to global challenges such as climate change, environmental degradation, water scarcity, soil salinization, biodiversity loss, and geopolitical disruptions affecting food supply chains, BSU has adopted a multidisciplinary and solution-oriented approach. The university integrates agricultural sciences, ecology, biotechnology, artificial intelligence, environmental management, economics, and policy research to strengthen sustainable food systems both nationally and regionally.

Throughout 2025, BSU expanded its strategic collaboration with governmental institutions, including the Ministry of Agriculture of the Republic of Azerbaijan, research institutes, international universities, and innovation centers. Emphasis was placed on precision agriculture, climate-smart farming technologies, genetic diversity preservation, soil fertility assessment, water resource management,

and sustainable irrigation systems. Innovative student-led projects such as AI-powered monitoring tools and sustainable agricultural ecosystems demonstrate the university's commitment to translating research into practical solutions.

Simultaneously, BSU continues to prioritize student welfare and food accessibility. The university supports students from low-income families through meal voucher programs in cooperation with student unions. While dining services are operated by external contractors, BSU ensures strict compliance with national food safety regulations, promotes sustainable and diverse meal options, including vegetarian and vegan alternatives—and plans to introduce food waste monitoring mechanisms in future contracts.

Through education, research excellence, startup incubation, industrial internships, scientific seminars, and international representation, BSU reinforces its institutional mission to support food security, sustainable agriculture, and responsible resource management. This report highlights the university's achievements, research outputs, policy initiatives, innovation projects, and measurable progress toward SDG 2 in 2025.

For previous year`s report, please see

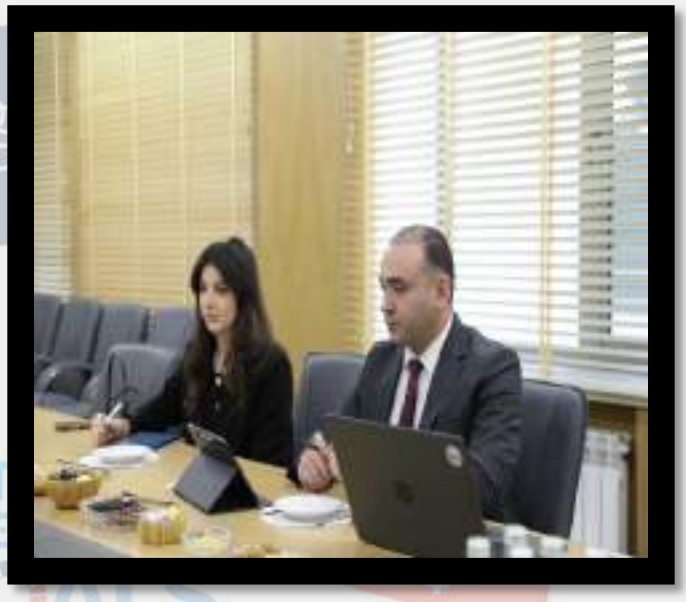
https://sdg.bsu.edu.az/report-on-sdg-2-zero-hunger

Zero Hunger (Sdg 2)

For many years, university canteens have been managed by external contractors. Initially, the agreements did not include any clauses for monitoring or recording food waste. However, in the upcoming contract renewal, BSU plans to address this by introducing specific measures for tracking and managing food waste. Addressing student hunger has always been a priority for BSU. In collaboration with the Unions of Students, the university runs a program that provides meal vouchers to students from low-income backgrounds. Although dining services are outsourced, the arrangement ensures the availability of sustainable food options, including vegetarian and vegan meals, for all campus members. The canteens are subject to regular inspections by the Food Safety Agency of the Republic of Azerbaijan, and staff members receive continuous training to uphold high food safety standards, earning consistently positive evaluations.

BSU's dedication to sustainability in agriculture and the promotion of organic foods is reflected in its comprehensive strategy. Faculty and researchers actively contribute by conducting studies and publishing work on innovative agricultural methods, while students gain practical experience through laboratory activities and direct application of new technologies. This dual focus on research and hands-on learning strengthens the university's role in advancing sustainable agricultural practices and modern approaches to food production.

MEETING WITH THE DIRECTOR OF THE AGRICULTURAL INNOVATION CENTER OF THE MINISTRY OF AGRICULTURE AT BSU



The Rector of Baku State University, Elchin Babayev, met with Anar Jafarov, Director of the Agricultural Innovation Center under the Ministry of Agriculture of the Republic of Azerbaijan, to discuss potential cooperation.

Rector Babayev highlighted ongoing research at BSU in aquaculture, food and water security, environmental protection, and efficient use of natural resources. He emphasized the establishment of modern laboratories, the application of advanced technologies, and the university's focus on training young specialists, noting BSU's interest in collaborating with the center.

Director Jafarov provided information about the center's projects, regional innovation festivals, and support mechanisms. He noted strong student interest in agricultural startups, particularly those promoting digitalization and productivity.

The meeting concluded with discussions on future collaboration, especially on projects involving the application of artificial intelligence in agriculture.

For More Information, Please Click Here

A PROFESSOR FROM AKDENIZ UNIVERSITY DELIVERED A LECTURE AT BSU ON THE PRESERVATION OF QUALITY IN FRUITS AND VEGETABLES

As part of the events dedicated to “Science Day” on March 27 in Azerbaijan, a scientific seminar titled “New Approaches to Quality Preservation in Fresh Fruits and Vegetables” was held at Baku State University. The seminar was delivered by Professor Mustafa Erkan, Dean of the Faculty of Agriculture at Akdeniz University.

Professor Erkan presented the latest scientific advances in preserving the freshness of fruits and vegetables, optimizing storage conditions, and improving post-harvest technologies. He highlighted modern methods for extending shelf life, including atmospheric control, innovative packaging, and bioengineering solutions.

The seminar also covered quality improvement of apple and tomato varieties common in Azerbaijan, environmentally friendly pest control methods, and sustainable technologies that meet consumer demands. The event concluded with an interactive discussion on food quality preservation and ecological sustainability.

For More Information, Please Click Here

DEVELOPMENT HISTORY AND CONTEMPORARY ISSUES OF AGRICULTURAL SCIENCES IN AZERBAIJAN DISCUSSED AT BSU

On March 17, 2025, a scientific seminar dedicated to “Science Day” was held at the Faculty of Ecology and Soil Science of Baku State University. Akif Valiyev, Scientific Secretary of the Agricultural Research Center under the Ministry of Agriculture of the Republic of Azerbaijan, delivered a report on the history and contemporary issues of agricultural sciences in Azerbaijan.

The seminar highlighted the development of agricultural science, current research directions, and measures taken to address existing challenges. Special attention was given to the “State Program for the Great Return to the Liberated Territories of the Republic of Azerbaijan (I)” and the efficient use of agro-economic and natural resources in the Karabakh and Eastern Zangezur economic regions.

The speaker also discussed the establishment of agro-industrial complexes, industrial and agricultural parks, and infrastructure projects, as well as the implementation of “Smart City,” “Smart Village,” and “Smart Agriculture” initiatives. The event concluded with a Q&A session with students.

For More Information, Please Click Here

BSU Students of the Faculty of Ecology and Soil Science Undergo Industrial Internship at the Vegetable Research Institute

Fourth-year students majoring in “Soil Science and Agrochemistry” at the Faculty of Ecology and Soil Science of Baku State University are completing their industrial internship at the Vegetable Research Institute under the Ministry of Agriculture of the Republic of Azerbaijan. During the internship, students gain practical experience in the Institute’s departments and laboratories. They study soil preparation, cultivation technologies for open-field and greenhouse crops, plant breeding methods, and primary seed production. In greenhouse and potato production units, they learn modern cultivation techniques and the development of new varieties.

Students also receive laboratory training in soil, plant, and water analysis, agrochemical residue detection, plant protection methods, processing and storage technologies, and microclonal propagation of potatoes. They work with advanced equipment, including ICP-OES and chromatography systems, to analyze macro- and microelements, pesticide residues, and various chemical indicators in agricultural products and water samples.

For More Information, Please Click Here

The Project IRRIGO – Sustainable Agricultural Ecosystem Which Will Be Established On The BBSU Campus, Will Be Featured In The Finals Of The TEKNOFEST 2025 SHC

The world's largest aviation, space, and technology event, **TEKNOFEST**, will take place on May 1–4, 2025, in the Turkish Republic of Northern Cyprus. This year, the competition attracted over 15,000 teams and 47,000 participants, competing across 7 main categories and 16 subcategories.

The project titled "Irrigo – Sustainable Agricultural Ecosystem," submitted by the "BDU TETYM" team of Baku State University, received high evaluation scores in the TEKNOFEST TRNC Research Projects category and advanced to the finals.

The system is designed to treat, recycle, and repurpose wastewater for irrigation, integrating innovative solutions based on IoT technologies and the Smart Village approach to support farmers and agricultural entrepreneurs.

Currently, team members from BSU are working on developing the project's prototype, as well as its official website and mobile application.

FOR MORE INFORMATION, PLEASE CLICK HERE

The first workshop of the project titled "Application of Artificial Intelligence in Precision Agriculture" organized by the Agricultural Innovation Center at BSU has been held

The Agrarian Innovation Center under the Ministry of Agriculture of the Republic of Azerbaijan launched the project “Application of Artificial Intelligence in Precision Agriculture” to promote the use of AI and digital technologies in agriculture. The initiative involves selecting universities and innovative farms, organizing workshops, and conducting field visits to agro-parks and large farms.

The first workshop was held on April 16 at Baku State University. Rector Elchin Babayev emphasized the importance of integrating AI into agriculture, particularly for the smart management of soil and water resources, noting that Azerbaijan’s digital development strategy prioritizes innovation and competitive human capital.

BSU’s contribution includes research in AI and agricultural technologies, as well as student achievements at TEKNOFEST, including the “Irrigo – Sustainable Agricultural Ecosystem” project, which reached the finals of TEKNOFEST 2025 in the Turkish Republic of Northern Cyprus.

Director Anar Jafarov highlighted the importance of commercializing scientific innovations and announced a Bootcamp on April 28–29 in Aghali village, Zangilan, to promote smart agricultural solutions in the liberated territories. Proposed technologies will be tested on selected private farms. The event also gathered representatives from agricultural institutions, innovation centers, and private companies to discuss practical applications of AI and automated systems in agriculture.

FOR MORE INFORMATION, PLEASE CLICK HERE

BSU IS REPRESENTED AT CASPIAN AGRO – THE 18TH AZERBAIJAN INTERNATIONAL AGRICULTURE EXHIBITION

Baku State University is taking part in the 18th Azerbaijan International Agriculture Exhibition, Caspian Agro, which brings together numerous local and international agricultural companies and government institutions.

Within the “Smart Agro” segment organized by the Agrarian Innovation Center, BSU is presenting its project “Irrigo – Sustainable Agricultural Ecosystem.” During the exhibition, the President of Azerbaijan, Ilham Aliyev, visited the university’s stand and was briefed on the project.

The “Irrigo” system treats wastewater and uses artificial intelligence to automatically adjust fertilizer type and dosage according to specific crop needs. By enriching irrigation water with the required mineral composition, the system enhances plant growth and development. The project integrates wastewater treatment, mineral analysis, and nutrient optimization in line with the “Smart Village” concept and the national strategy for efficient water resource management, contributing to sustainable development in the liberated territories of Karabakh.

The President was also informed about BSU’s recent successes in startup and technology competitions. In addition to its main booth, BSU is represented in a

special exhibition area for higher education institutions, where it showcases its academic and innovative potential.

FOR MORE INFORMATION, PLEASE CLICK HERE

REPUBLIC SCIENTIFIC CONFERENCE ON THE NEW STAGE OF LAND REFORM AND THE RESOLUTION OF ECOLOGICAL PROBLEMS AT BSU

A republic-wide scientific conference titled “The New Stage of Land Reform and the Resolution of Ecological Problems” was held at Baku State University, organized by the Faculty of Ecology and Soil Science to mark the 102nd anniversary of the birth of National Leader Heydar Aliyev.

The event opened with the State Anthem and a minute of silence in honor of Heydar Aliyev and the martyrs who sacrificed their lives for Azerbaijan’s territorial integrity.

Speakers highlighted Heydar Aliyev’s key role in developing agriculture, advancing land reforms, and shaping environmental policy in Azerbaijan. It was noted that during his leadership, major reforms were implemented in irrigation, water management, cotton growing, and viticulture, alongside the adoption of numerous state programs and laws. The land reforms carried out after independence were particularly associated with his name.

Participants also emphasized his contributions to democratic state-building, sustainable development, and environmental protection. Ecological issues became an important part of state policy under his leadership, focusing on reducing human impact on nature, ensuring efficient use of natural resources, strengthening environmental legislation, and restoring ecosystems.

The plenary session featured presentations on ecological changes in the Agdam district based on satellite imagery and the impacts on the wetland ecosystem of Gizilaghaj National Park.

FOR MORE INFORMATION, PLEASE CLICK HERE

BSU RANKS IN THE TOP 600 IN THE TIMES HIGHER EDUCATION IMPACT RANKINGS 2025

Baku State University has been ranked among the world's top 600 universities in the 2025 Impact Rankings published by Times Higher Education. The university placed in the 401–600 band, a major improvement from last year's 1001–1500 range.

Among 2,318 institutions evaluated globally, BSU was assessed across 15 Sustainable Development Goals (SDGs), up from 9 last year. Its overall score rose by 35%, increasing from 53.2 to 71.8, reflecting strong progress in sustainable development initiatives.

BSU ranked in the global top 100 for four SDGs: No Poverty, Quality Education, Gender Equality, and Reduced Inequalities. It also placed 101–200 for Life on Land and Peace, Justice and Strong Institutions, and 201–300 for Zero Hunger, Clean Water and Sanitation, Decent Work and Economic Growth, and Life Below Water.

The Impact Rankings measure universities' contributions to social, economic, and environmental development based on the UN SDGs, evaluating research, governance, social impact, and public engagement.

This result highlights BSU's growing international reputation and its strong commitment to sustainability, social responsibility, environmental protection, inclusive education, and equal opportunity.

FOR MORE INFORMATION, PLEASE CLICK HERE

Zero Hunger

GENETIC MAPPING OF KARABAKH AND DILBAZ HORSE BREEDS INITIATED WITH BSU'S SUPPORT SCIENCE

Comprehensive research has been launched to develop genetic maps of the Karabakh and Dilbaz national horse breeds, which are of strategic importance to Azerbaijan.

The project is initiated by the Ministry of Agriculture of Azerbaijan with the support of Baku State University and the Food and Agriculture Organization of the United Nations (FAO). Project partners also include the Animal Husbandry Research Institute, the Ministry of Agriculture and Forestry of Türkiye, Letgen Biotechnology, and " Bayramlı Group".

The main objective is to preserve the genetic heritage of Karabakh and Dilbaz horses, analyze their genomic diversity, and support the development of scientifically based breeding and selection programs.

At the initial stage, phenotypic assessments were conducted at various horse-breeding farms with the participation of local specialists and experts from Türkiye, and blood and hair samples were collected.

For the first time, complete genome maps of both breeds will be created. The project also envisages the use of marker-assisted selection (MAS) technologies, identification of genotype–phenotype correlations to improve breeding efficiency, the establishment of a genetic database (genobank), and the integration of results into international scientific platforms, including NCBI.

FOR MORE INFORMATION, PLEASE CLICK HERE

BSU represented at Pakistan's largest entrepreneurship expo

Baku State University's Student Scientific-Technical Creativity Center showcased its project, "Irrigo – Sustainable Agricultural Ecosystem," at SEE Pakistan 2025, the largest entrepreneurship exhibition in Pakistan.

From 7 to 9 August 2025, BSU took part in the event in Lahore with its own exhibition booth, presenting its innovative solution to an international audience.

SEE Pakistan 2025, organized by the Association of Private Sector Universities of Pakistan (APSUP) in collaboration with institutions such as Superior University, University of Lahore, University of Sialkot, and Green International University, brought together thousands of startups, investors, researchers, and students from different countries. The exhibition served as a major platform for demonstrating new ideas and building global partnerships.

The Irrigo project drew considerable interest as a forward-looking approach to sustainable agriculture. It reduces the use of clean water in irrigation, purifies low-quality water by removing organic pollutants, salts, and heavy metals, and enables its reuse, thereby establishing a sustainable irrigation system.

BSU's participation in SEE Pakistan 2025 supports the growth of Azerbaijan's innovation and startup ecosystem, promotes the international success of young innovators, and further strengthens the ties of friendship between Azerbaijan and Pakistan.

FOR MORE INFORMATION, PLEASE CLICK HERE

BSU participates in “Sustainability Exhibition: Art and Innovation for the Planet”

Baku State University (BSU) took part in the “Sustainability Exhibition: Art and Innovation for the Planet,” held within the framework of Baku Climate Action Week, presenting two innovative projects — “Irrigo: Sustainable Agricultural Ecosystem” and “Hydroponics.”

The “Irrigo” project, developed by Reyhan Mirsultanova from BSU’s Student Scientific-Technical Creativity Center, introduces a smart agricultural model that reduces freshwater use, treats polluted wastewater, and reuses it in a self-sustaining irrigation system, promoting water conservation and environmental protection.

The “Hydroponics” project, created by researchers from BSU’s Research, Development and Innovation Excellence Center, encourages small and medium-sized farms to adopt soilless cultivation technologies, supporting sustainable production and climate change mitigation.

“Irrigo” was selected among the top six projects at the exhibition, and the team received a certificate of recognition for its contribution to sustainable development and innovative solutions.

FOR MORE INFORMATION, PLEASE CLICK HERE

Training on food safety held at BSU

Baku State University organized a training session titled “Food Safety and Engineering: New Paths and Opportunities for Students” at its Faculty of Biology to strengthen students’ knowledge and practical skills in science, technology, and industry.

Dean Afət Məmmədova highlighted the importance of such initiatives in helping students connect theory with practice and gain insight into modern production processes. She noted that compliance with food safety and quality standards is a global priority and that mastering contemporary approaches in this field is essential. The trainer, Javid Qurbanzadə, Head of Quality and HSE at Azerbaijan Fish Farm LLC, spoke about international quality management systems used in the food industry, including ISO 9001, ISO 22000, and HACCP standards. He also addressed quality control, risk assessment, production safety regulations, and environmental responsibility.

The session concluded with interactive discussions, where students received detailed answers to their questions about career prospects in food engineering, certification procedures, and technological innovations.

FOR MORE INFORMATION, PLEASE CLICK HERE

Research on the role of phytohormones in cotton genotypes conducted at BSU

A scientific seminar titled “The Role of Phytohormones in the Development of Tolerance to Fungal Diseases in Cotton Genotypes” was held at the Faculty of Biology of Baku State University (BSU).

The research, presented by PhD student Nurlan Amrahov, examines the impact of the pathogenic fungus *Verticillium dahliae* and heavy metals on cotton productivity, as well as the role of phytohormones in reducing these negative effects.

The study explored the influence of salicylic acid, kinetin, indole-3-acetic acid, and their graphene oxide-based nano-assemblies on the morphological, physiological, and biochemical parameters of cotton plants. Results showed that these substances enhance antioxidant activity, improve resistance to oxidative stress, and strengthen plant defense against pathogens.

According to the seminar discussions, the findings open new prospects for developing cotton varieties resistant to biotic and abiotic stresses, producing environmentally friendly biostimulants, and increasing agricultural productivity. The event concluded with a scientific exchange of ideas.

FOR MORE INFORMATION, PLEASE CLICK HERE

BSU students present their startups within the project “Application of artificial intelligence in precision agriculture”

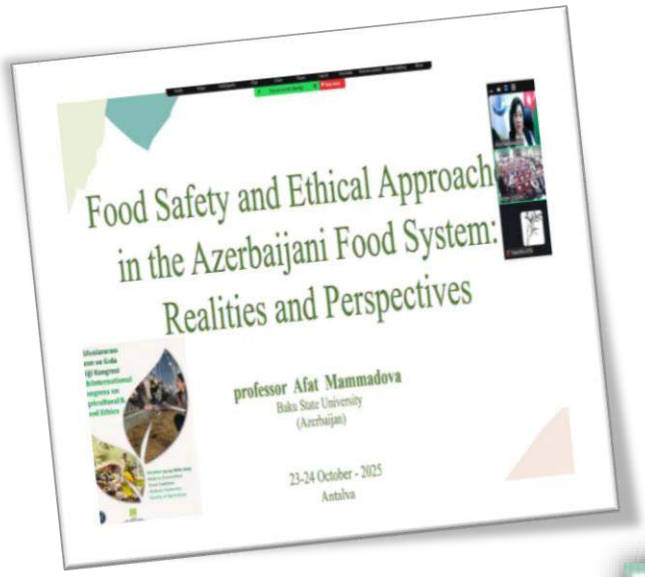
Baku State University students presented their startup within the project “Application of Artificial Intelligence in Precision Agriculture,” implemented by the Agrarian Innovation Center under the Ministry of Agriculture. The initiative aims to expand the use of artificial intelligence and digital technologies in the agricultural sector.

At a meeting attended by representatives of the ministry, universities, and acceleration and incubation centers, BSU students Qurbanali Feyzullayev, Leman Imanzade, and graduate Nigar Isgandarova introduced their project, “AgroScan.”

“AgroScan” is an AI-powered system that applies hyperspectral analysis to monitor plant health and soil conditions. By analyzing hyperspectral images, it detects early signs of water stress, diseases, and productivity changes, delivering results to farmers through a mobile application. The solution supports efficient resource use, higher yields, and environmentally sustainable agriculture.

FOR MORE INFORMATION, PLEASE CLICK HERE

Dean of the faculty of Biology represents Azerbaijan's Food Safety Sector on an international scientific platform



Professor Afat Mammadova, Dean of the Faculty of Biology at Baku State University (BSU), delivered a presentation at the 5th International Congress on Agricultural and Food Ethics, held on 23–24 October 2025 at Akdeniz University in Türkiye.

The congress gathered international scientists and industry experts to discuss food ethics, food safety, and sustainable food systems.

In her presentation, "Food Safety and Ethical Approaches in the Azerbaijani Food System: Realities and Prospects," Professor Mammadova outlined Azerbaijan's legal and regulatory framework on food safety, the activities of the Azerbaijan Food Safety Agency (AFSA), improvements in the certification system, and the implementation of HACCP and ISO standards.

She emphasized Azerbaijan's achievements in food safety while also addressing challenges such as

strengthening regional laboratory infrastructure, improving the technical capacity of small and medium-sized producers, and increasing public awareness.

Her presentation attracted significant interest and contributed to promoting Azerbaijan's food safety experience in international discussions.

FOR MORE INFORMATION, PLEASE CLICK HERE

Students of BSU visit the Vegetable Research Institute

Members of the "BDU Volunteers" organization from the Faculties of Ecology & Soil Science and Geography at Baku State University took part in a study tour to the Vegetable Research Institute under the Ministry of Agriculture.

During the visit, Scientific Secretary Afaq Rəcəbli introduced the students to the institute's activities, key research areas, and

scientific achievements. The participants observed ongoing research in various departments and laboratories.

The tour concluded with a visit to the Greenhouse Vegetable Growing Department's greenhouse, where students were introduced to newly developed tomato and cucumber varieties bred by the institute's researchers.

FOR MORE INFORMATION, PLEASE CLICK HERE

Scientific seminar on food security issues held at the faculty of Geography

A scientific seminar titled "Food Security Issues of the Republic of Azerbaijan" was held at the Faculty of Geography of Baku State University.

Opening the event, Dean Professor Magsad Gocamanov stressed the strategic importance of food security in today's world and the need for continued academic research in this field. He noted that the speaker, Vugar Karimli, PhD in Economics and lecturer in the

Department of Economic and Social Geography, has authored several studies on economic geography and food security.

In his presentation, Karimli focused on the role of import–export balance in ensuring Azerbaijan's food security, highlighting recent regional and structural changes in the country's food supply system. He also outlined proposals for strengthening short- and medium-term food security and supporting sustainable development in this area.

The seminar concluded with active discussions involving faculty members and researchers, who emphasized the relevance of the topic and the importance of further scientific studies.

FOR MORE INFORMATION, PLEASE CLICK HERE

Teaching of the "Agricultural Insurance" course launched at BSU

Starting from the 2025–2026 academic year, Baku State University (BSU) has introduced a new master's-level course titled "Agricultural Insurance" at its Faculty of Biology.

The course provides students with knowledge about natural and other risks affecting agriculture, risk assessment methods, investigation of insurance cases, and damage calculation methodologies. In Azerbaijan's state-supported agricultural insurance system,

accurate assessment is crucial, as compensation payments are determined based on these evaluations.

At the launch event, Dean Professor Afat Mammadova highlighted the growing impact of climate change on agriculture and stressed the importance of properly evaluating natural risks. She noted that the course will broaden students' professional prospects and strengthen the practical application of their expertise.

The course is taught by independent agricultural insurance expert Zulfu Məmmədov, who explained the national agricultural insurance mechanism and emphasized the rising frequency of extreme weather events such as hail, strong winds, and droughts, making precise damage assessment increasingly important.

During the open lecture, master's student Aysun Asadli delivered a presentation on crop productivity assessment methods, outlining key steps and considerations in evaluating plant damage.

BSU also plans to introduce the "Agricultural Insurance" course at the undergraduate level in the future to further enhance students' practical skills and involvement in the agricultural insurance sector.

FOR MORE INFORMATION, PLEASE CLICK HERE

Scientific seminar held: Ecological aspects of the use of polyene antibiotics in plant protection

On November 26, 2025, a scientific seminar was held at the Faculty of Ecology and Soil Science of Baku State University. Associate Professor Vafa Gasimova, Doctor of Biological Sciences at the Department of Soil Science and Real Estate Cadastre, presented a lecture titled "Ecological Aspects of the Use of Polyene Antibiotics in Plant Protection."

The seminar addressed the urgent need to increase crop productivity and improve product quality through environmentally safe plant protection methods. Modern approaches to phytosanitary management increasingly emphasize eco-friendly agents and innovative technologies to maintain healthy agroecosystems.

In her research, Gasimova used soil microorganisms, particularly Actinomycetes, to obtain biologically active compounds. These microorganisms can synthesize antibiotics effective against pathogenic bacteria and fungi. Through modern biotechnological methods, she produced molecularly purified polyene antibiotics with high membrane activity and selective effects against plant pathogens.

The developed preparation was tested on vegetable crops in both open-field and greenhouse conditions. Compared to conventional treatments, polyene antibiotics showed notable advantages, including strong antibacterial properties, effective penetration into plant tissues, and reduced dependence on adverse climatic conditions.

FOR MORE INFORMATION, PLEASE CLICK HERE

Conclusion

In 2025, Baku State University demonstrated substantial progress in advancing Sustainable Development Goal 2 – Zero Hunger by strengthening the integration of science, innovation, education, and societal engagement. The university's holistic strategy—combining agricultural research, digital transformation, biotechnology, ecological sustainability, and policy collaboration—positions BSU as a key national contributor to resilient and sustainable food systems.

BSU's growing international recognition, reflected in its improved standing in the Times Higher Education Impact Rankings 2025, confirms the effectiveness of its sustainability-driven institutional policies. The university significantly expanded its SDG-related research portfolio, increased interdisciplinary cooperation, and enhanced student participation in applied agricultural innovation. Projects focused on artificial intelligence in precision agriculture, wastewater recycling for irrigation, genetic mapping of national livestock breeds, climate-resilient crop development, and remote sensing for land management illustrate BSU's forward-looking approach.

Furthermore, the university strengthened food safety education, introduced new academic courses such as Agricultural Insurance, promoted environmentally friendly plant protection methods, and supported the commercialization of scientific innovations. By fostering strong partnerships with national agencies and international platforms,

BSU contributes to knowledge exchange, technological advancement, and the development of competitive human capital in the agricultural sector.

Looking ahead, BSU remains committed to deepening research on climate adaptation, expanding smart agriculture initiatives, enhancing food waste management systems, supporting inclusive food access programs, and increasing global research collaboration. Through sustained investment in scientific excellence, innovation ecosystems, and sustainable development strategies, the university reaffirms its dedication to achieving Zero Hunger and building resilient agricultural systems for future generations.

SDG Focused Memberships

CANIE
climate action network

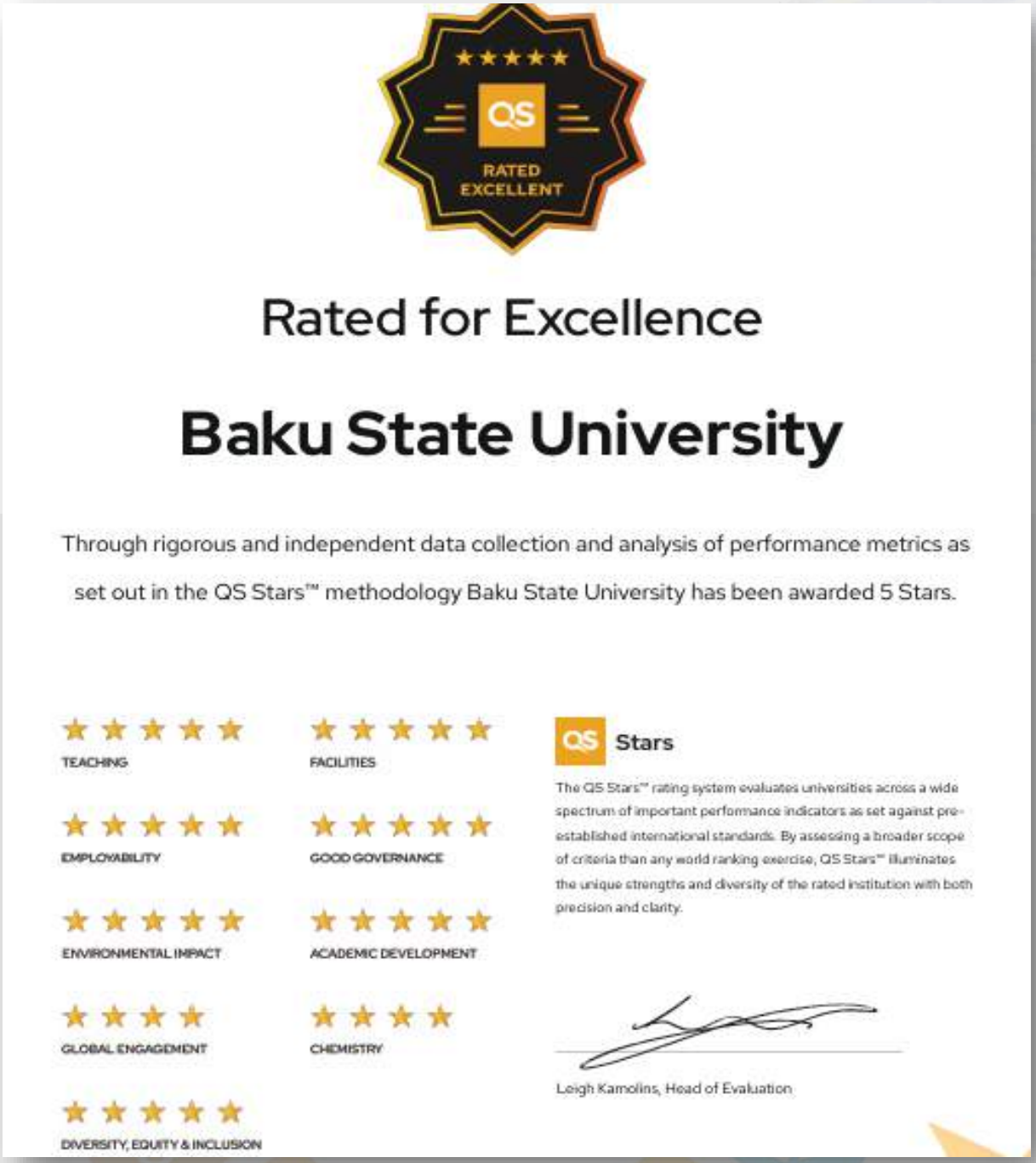
aashe member
The Association for the Advancement of Sustainability in Higher Education

ISCN
International Sustainable Campus Network

WAITRO

GUNI
GLOBAL UNIVERSITY NETWORK FOR INNOVATION

SDG Focused Ranking Results



Rated for Excellence

Baku State University

Through rigorous and independent data collection and analysis of performance metrics as set out in the QS Stars™ methodology Baku State University has been awarded 5 Stars.

TEACHING

FACILITIES

EMPLOYABILITY

GOOD GOVERNANCE

ENVIRONMENTAL IMPACT

ACADEMIC DEVELOPMENT

GLOBAL ENGAGEMENT

CHEMISTRY

DIVERSITY, EQUITY & INCLUSION

QS Stars

The QS Stars™ rating system evaluates universities across a wide spectrum of important performance indicators as set against pre-established international standards. By assessing a broader scope of criteria than any world ranking exercise, QS Stars™ illuminates the unique strengths and diversity of the rated institution with both precision and clarity.

Leigh Kamolins, Head of Evaluation

UI GreenMetric
UNIVERSITAS INDONESIA
UI GreenMetric World University Rankings 2025
CERTIFICATE
This certificate is awarded to
Baku State University
as The 493rd World's Most Sustainable University
in 2025 UI GreenMetric World University Rankings
5 December 2025
Dr. Vishnu Juwono, S.E., MIA
Chairperson of UI GreenMetric

4. RANKING IN AZERBAIJAN

Country Ranking	SI Ranking	EC Ranking	WS Ranking
1	2	11	3

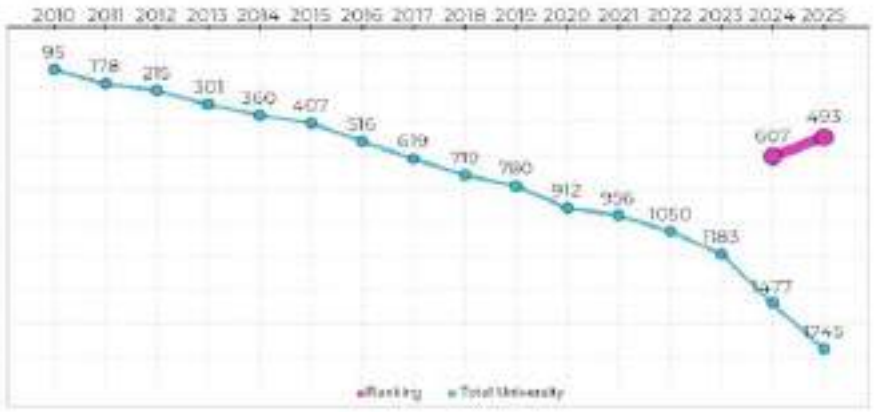
WR Ranking	TR Ranking	ED Ranking
5	1	2

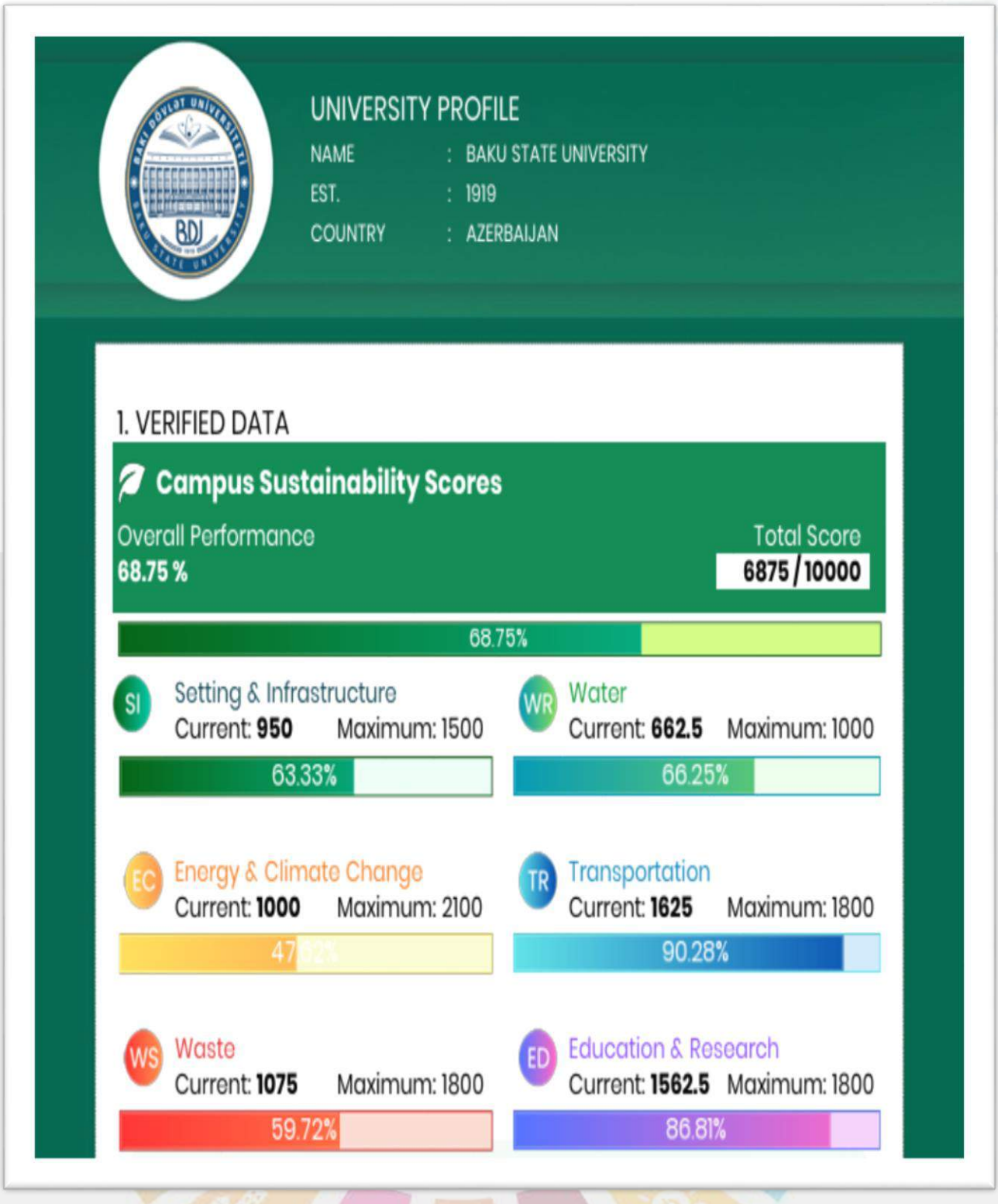
2. RESULTS SUMMARY

World Ranking	SI Ranking	EC Ranking	WS Ranking
493	660	1102	654

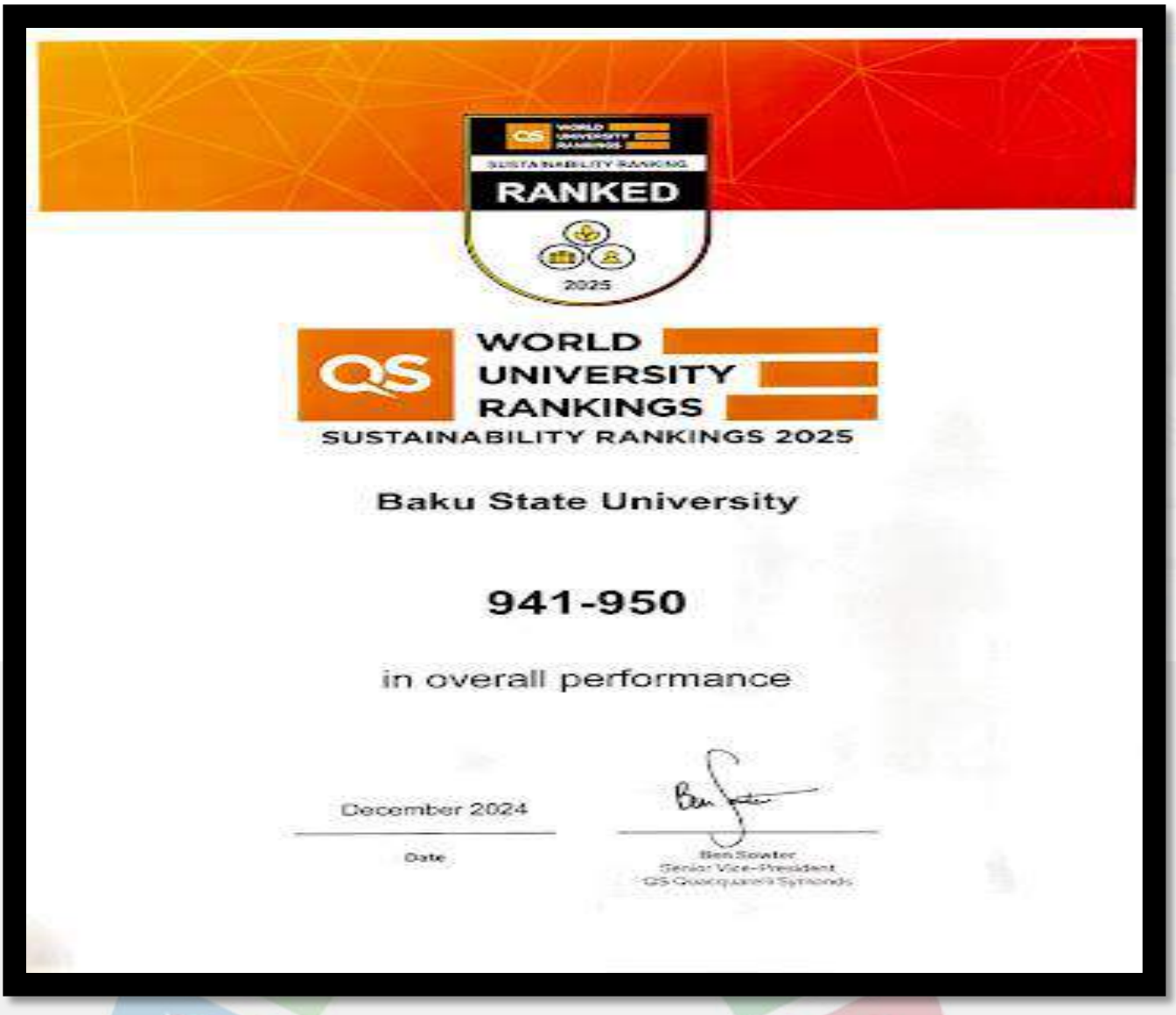
WR Ranking	TR Ranking	ED Ranking
607	98	239

3. WORLD RANKINGS HISTORY

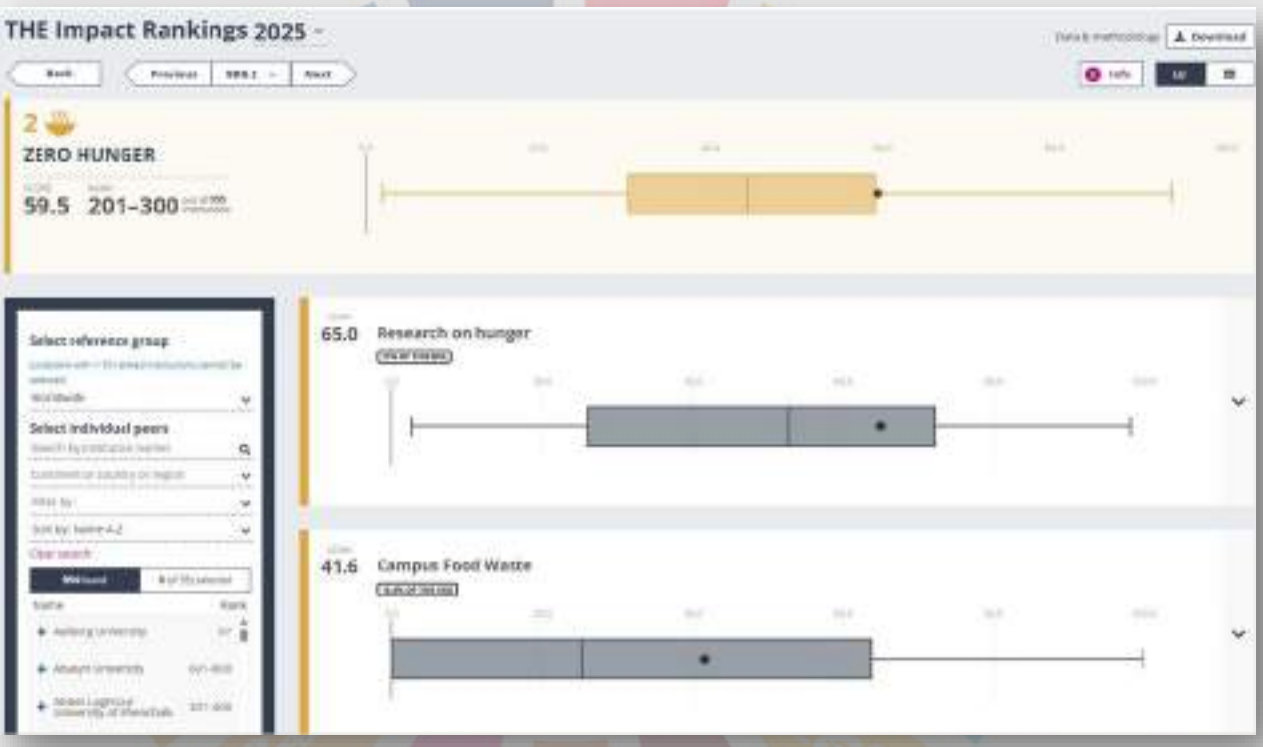



UNIVERSITY PROFILE
NAME : BAKU STATE UNIVERSITY
EST. : 1919
COUNTRY : AZERBAIJAN
1. VERIFIED DATA
Campus Sustainability Scores
Overall Performance
68.75 %
Total Score
6875 / 10000
68.75%
SI
Setting & Infrastructure
Current: 950 Maximum: 1500
63.33%
WR
Water
Current: 662.5 Maximum: 1000
66.25%
EC
Energy & Climate Change
Current: 1000 Maximum: 2100
TR
Transportation
Current: 1625 Maximum: 1800
90.28%
WS
Waste
Current: 1075 Maximum: 1800
59.72%
ED
Education & Research
Current: 1562.5 Maximum: 1800
86.81%

THE IMPACT RANKINGS


QS WORLD UNIVERSITY RANKINGS
SUSTAINABILITY RANKING
RANKED
2025
QS WORLD UNIVERSITY RANKINGS
SUSTAINABILITY RANKINGS 2025
Baku State University
941-950
in overall performance
December 2024
Date
Ben Sowter
Senior Vice-President
QS Quacquarelli Symonds

OVERALL RANK
401–600
out of 2318
institutions



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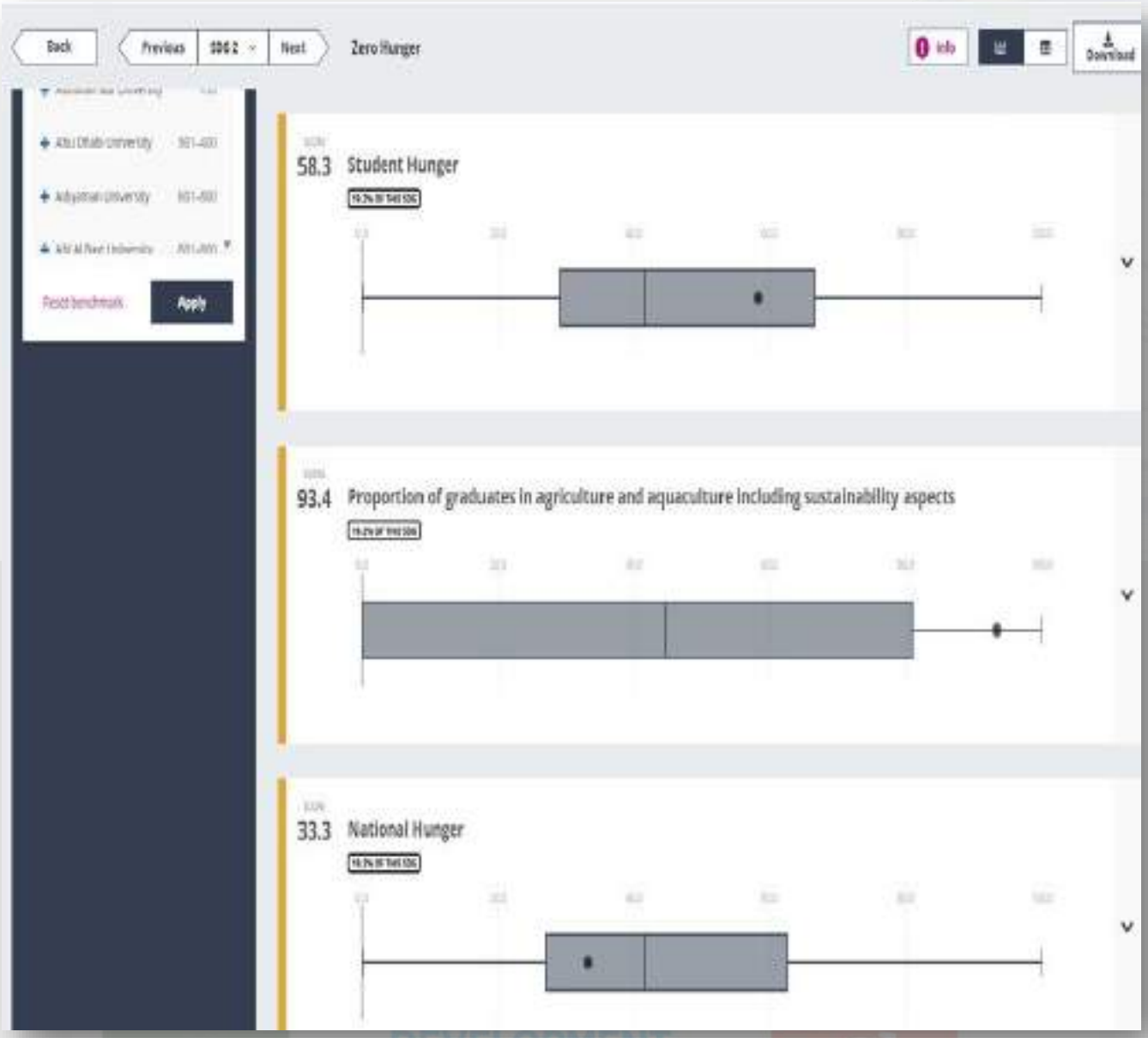
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Proportion of graduates in agriculture and aquaculture including sustainability aspects
33.3
National Hunger

SDG Focused Research

Introduction

Food security and sustainable agriculture are fundamental to achieving global development and human well-being. The United Nations' **SDG 2: Zero Hunger** aims to end hunger, achieve food security, improve nutrition, and promote sustainable agriculture by 2030. While global progress has been made in reducing hunger, recent crises—including climate change, armed conflicts, and the COVID-19 pandemic—have disrupted food systems and reversed many of the earlier gains. Today, hunger and malnutrition continue to affect hundreds of millions of people worldwide, with rural populations, children, and vulnerable households at the greatest risk.

For **Baku State University (BSU)**, the objectives of SDG 2 resonate strongly with its mission of fostering sustainable development in Azerbaijan and beyond. As a leading academic and research institution, BSU contributes to this goal by advancing studies in agricultural sciences, biology, environmental management, and public health, while also engaging in interdisciplinary research on food security and rural development. The university's partnerships with government agencies, international organizations, and local communities further enhance its capacity to generate practical solutions for ensuring sustainable food production and equitable access to nutrition.

By integrating SDG 2 into teaching, research, and community outreach, BSU not only supports Azerbaijan's national priorities in food security and agricultural modernization but also strengthens its role as a regional hub for sustainability-focused knowledge. Through innovation, capacity-building, and awareness-raising, the university contributes to building resilient food systems that can withstand climate and economic shocks, ultimately aligning with the global agenda of eradicating hunger and promoting sustainable livelihoods.

All SDGs related articles please
visit: https://www.scopus.com/pages/organization/60071969#tab=sdgs

SDG contributions

Goal 1: No poverty	9 documents	Goal 10: Reduced inequalities	40 documents
Goal 2: Zero hunger	74 documents	Goal 11: Sustainable cities and communities	37 documents
Goal 3: Good health and well-being	241 documents	Goal 12: Responsible consumption and production	44 documents
Goal 4: Quality education	21 documents	Goal 13: Climate action	55 documents
Goal 5: Gender equality	12 documents	Goal 14: Life below water	50 documents
Goal 6: Clean water and sanitation	83 documents	Goal 15: Life on land	31 documents
Goal 7: Affordable and clean energy	353 documents	Goal 16: Peace, justice and strong institutions	36 documents
Goal 8: Decent work and economic growth	68 documents	Goal 17: Partnership for the goals	47 documents
Goal 9: Industry, innovation and infrastructure	101 documents		

1. Climate Factors and Agriculture in Türkiye

Authors: Tayyar A., Emrah G., Nijat B., Ömer F., Mukhtarov S.
Focus: Climatic impacts on agriculture in Türkiye (1970–2022).
Methods: Bayesian Model Averaging + ARDL.
Findings:

- Minimum average temperature ↑ → agricultural GDP share ↑.
- CO_2 emissions, ground temperature, and cultivated area → negative effects.
  Implication: Need for climate-smart policies integrating emission reduction and efficient land use.
  Full text

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2. Triple-Defense Strategy against Salt Stress in Tomato

Authors: Sultana S., Altaf U.N., Islam M.R., Rahman F., +7.
Focus: Mitigating NaCl-induced stress in tomatoes.
Methods: Application of KNO_3, H_2O_2, $CaCl_2$ individually and in combination.
Findings: Combined application provides strongest growth and stress tolerance.
Implication: Promising approach to enhance productivity under saline conditions.
Full text

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3. H_2O_2-Mediated Growth in Wheat Cultivars

Authors: Kamruzzaman M., Siddiqui M.N., Rustamova S., Ballvora A., Léon J.
Focus: Genetic regulation of elshan–shoot growth in wheat.
Methods: Genome-wide association study of 150 cultivars.
Findings: 108 marker-trait associations linked to ion binding, transport, oxidation-reduction.
Implication: Genetic basis for breeding stress-tolerant wheat.
Full text

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4. Chenopodiaceae Adaptations to Harsh Environments

Authors: Orujova T.Y., Gurbanova U.A.
Focus: Biochemical diversity in Chenopodiaceae family.
Findings: C_4 photosynthesis enhances water-use efficiency and stress resilience.
Implication: Biotechnological potential for climate-adaptive crops.
Full text

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5. Genetic Diversity in Azerbaijani Wheat (SSR Markers)

Authors: Mammadova R., Akparov Z., Amri A.B., Alo F., +3.
Focus: SSR-based diversity analysis of 45 wheat genotypes.
Findings: Nine primers polymorphic; unique drought-tolerant genotypes identified.
Implication: Valuable resources for breeding resilient wheat.
Full text

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6. Agroecological Land Assessment in Gusar-Gonagkend

Authors: Mammadov G., Mammadova S., Yusifova M., Isayeva S., Osmanova S., +2.
Focus: Soil fertility and sustainable land management.
Methods: Field analyses, bonitet scoring, agroecological scales.
Findings: Highest fertility in mountain-meadow and mountain-gray-brown soils.
Implication: Basis for sustainable land-use strategies in Azerbaijan.
Full text

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7. Chitosan–Biochar Coatings for Wheat Seeds

Authors: Mustafazade T., Maharram M., Akhundzada H.V., Khankishiyeva R.
Focus: Eco-friendly seed coatings.
Findings: CS–BC (4:1) ↑ germination, vigor, soil carbon.
Implication: Sustainable agriculture tool; needs field validation.
Full text

8. Arbuscular Mycorrhizal Fungi (AMF) and Plant Growth

Authors: Hashem A., Almutairi K.F., Alshaikh N.A., Kumar A., Wu Q.S., +2.
Focus: Role of AMF in nutrient uptake and stress resistance.
Findings: Improve soil structure, activate defense genes, alter metabolism.
Implication: Natural ally for sustainable agriculture and pest management.
Full text

9. Cytokines in Rheumatoid Arthritis

Authors: Azam S., Rahayu S., Saba A., Anvar A.H., Irfan M.
Focus: Role of interleukins in RA pathology.
Findings: High IL-1, IL-6, IL-17, IL-18, IL-21, IL-23 contribute to joint damage.
Implication: Targeted biologics offer promise in RA management.
Full text

10. Remote Sensing & ML for Vegetation Mapping

Authors: Amiraslanova M.S., Babazade R.A., Musabayli K.M.
Focus: UAV + satellite multispectral data for vegetation.
Methods: ML + deep learning.
Findings: Accurate mapping of vegetation cover, species, and structure.
Implication: Applications in agriculture, forestry, biodiversity, climate monitoring.
Full text

11. Agroecosystem Sustainability in Barda District

Authors: Macnunlu K., Babazade R.H., Hasanova T.
Focus: Soil and crop health via remote sensing (NDVI, SAVI).
Findings: Precision farming + green manure practices improve sustainability.
Implication: Supports long-term food security and land optimization.
Full text

12. Agroecological Fertility Models for Vineyards (Lankaran-Astara)

Authors: Mammadov G., Mammadova S., Yusifova M., Sadigov R., Ahmedova G.
Focus: Soil fertility for grape cultivation.
Findings: Tailored fertility management enhances viticulture sustainability.
Implication: Integrates eco-friendly and traditional methods for productivity.
Full text

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13. Genetic Variation in Azerbaijani Wheat Accessions

Authors: Ojaghi J., Nuriyeva S., Salayeva S., Eldarov M., Akparov Z.
Focus: SSR-based genetic variation in 50 wheat accessions.
Findings: 42 alleles identified; significant polymorphism.
Implication: Useful for genetic diversity studies and wheat breeding.
Full text

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14. Environmental Flow of the Alijanchay River

Authors: Imanov F., Aliyev S., Aliyev E., Nuriyev A., Snow D.
Focus: Water flow and ecological health.
Findings: Flow alteration from irrigation/reservoir construction; water quality fluctuations.
Implication: Need for comprehensive ecological flow management.
Full text

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15. Genetic Diversity in Azerbaijani Durum Wheat

Authors: Mammadova R., Amri A., Akparov Z., Alo F., Sheikhzamanova F., +4.
Focus: Diversity of durum wheat genotypes.
Findings: 31 alleles, high PIC (0.912); drought-tolerance potential.
Implication: Provides resilient cultivars for breeding programs.
Full text

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16. Genetic Diversity of Local Apples (Guba, Azerbaijan)

Authors: Guseinova N.T., Asadova B.G.
Focus: Biomorphological + molecular diversity in apple varieties.
Findings: Rare alleles linked to long-term fruit preservation identified.
Implication: Supports conservation and breeding of Azerbaijani apples.
Full text

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17. Plant Hormones and Immunity in Plant–Pathogen Interaction

Authors: Amrahov N.R., Aghazada G.A., Alizada S.R., Mehdiyeva G.V., Mammadova R.B., +2.
Focus: Role of SA, IAA, GA in plant immune responses.
Findings: Hormonal crosstalk critical for defense vs. energy conservation.
Implication: Insights for enhancing plant immunity in crop protection.
Full text

Baku State University

2025 REPORT ON

3 GOOD HEALTH AND WELL-BEING

INTRODUCTION

Baku State University (BSU) is strongly dedicated to advancing Sustainable Development Goal 3, "Good Health and Wellbeing." The university has built extensive partnerships at local, national, and international levels to promote better health outcomes. These collaborations range from working with hospitals and healthcare institutions to cooperating with the Food and Agriculture Organization, with a particular focus on supporting and empowering women in rural communities.

In addition, BSU fosters health and well-being in its local community through initiatives such as the Law Clinic, which offers free legal support to those in need, and the "BSU Volunteers" program, engaging around 1,000 students in diverse community service activities. The university also prioritizes the overall welfare of its students and staff by providing sexual and reproductive health services, psychological counseling, and full healthcare access through the University Policlinic. Moreover, BSU upholds a strict no-smoking policy across all facilities, including dormitories, to maintain a safe and healthy campus environment.

Beyond these efforts, BSU regularly organizes awareness campaigns, health education seminars, and preventive health screenings to encourage healthier lifestyles among students, faculty, and the surrounding community. The university also promotes physical activity through sports programs, fitness facilities, and student wellness events designed to reduce stress and improve overall mental and physical health. These initiatives contribute to creating a supportive environment where individuals are encouraged to prioritize their well-being.

Furthermore, BSU integrates health-related topics into academic research and educational programs, encouraging interdisciplinary collaboration among faculties in areas such as public health, environmental health, and social welfare. By combining education, research, and community engagement, the university plays an active role in addressing current health challenges and supporting sustainable and inclusive development.

Through these comprehensive actions, BSU demonstrates its commitment to building a healthier society, improving quality of life, and supporting the global objectives of the United Nations Sustainable Development Goals.

For previous year's report please see:
[Report On Sdg 3: Good Health and Well-Being]

GOOD HEALTH AND WELL-BEING (SDG 3)

BSU continues to prioritize the promotion of health, safety, and overall well-being of its academic community in alignment with United Nations Sustainable Development Goal 3 - Good Health and Well-Being. The university maintains a comprehensive institutional framework aimed at ensuring access to health services, promoting healthy lifestyles, and supporting the physical and psychological well-being of students and staff.

The university provides accessible healthcare services through its on-campus medical facilities, where students and employees can receive primary medical consultations, preventive health services, and general health monitoring. These services contribute to early detection of health issues and support the maintenance of a healthy academic environment. In addition to clinical services, the university regularly organizes awareness

campaigns and educational initiatives related to public health, disease prevention, and healthy living.

Psychological well-being is also an important component of the university's health support system. Specialized counseling and psychological assistance services are available to students to help them cope with academic pressure, stress, and social challenges. These services are complemented by seminars, trainings, and guidance sessions designed to strengthen students' mental resilience and personal development.

Furthermore, BSU actively promotes physical activity and healthy lifestyles through its sports infrastructure and organized sporting events. The university provides facilities and opportunities for students and staff to participate in a wide range of sports activities, including team sports, recreational fitness programs, and university competitions. These initiatives aim to enhance physical fitness, encourage active lifestyles, and foster social engagement within the university community.

The university also ensures that health and safety considerations are integrated into its institutional policies and campus management practices. Measures such as maintaining safe learning environments, implementing health and safety regulations, and promoting a smoke-free campus contribute to the creation of a secure and supportive atmosphere for all members of the university.

In addition, BSU collaborates with national institutions, healthcare organizations, and educational partners to support health-related research, awareness programs, and community outreach initiatives. These collaborations strengthen the university's role in contributing to public health awareness and advancing knowledge in areas related to health and well-being.

Activities carried out at BSU in 2025 in the direction of SDG 3

The chairman of BSU Volunteers: Our organization has become a favorable platform for students development.

Volunteering has become an important part of youth life in Azerbaijan and is strongly supported by the state youth policy initiated by Heydar Aliyev and continued by Ilham Aliyev. The BDU Volunteers at BSU unites about 1,500 active students and plays a major role in student development. In 2024 alone, more than 13,000 volunteers participated in over 300 events. The organization also took part in environmental initiatives related to the "Year of Solidarity for a Green World," collaborated with the Azerbaijan Volunteer Organizations Alliance, and contributed to the organization of COP29. Through programs such as "Experience Volunteers," students gain practical experience and improve career opportunities.

For more information please click

BSU student wins table tennis tournament

Khadija Hussein, a third-year student of the Faculty of Chemistry and a member of the Student Youth Organization at BSU, won second place in a table tennis tournament organized by the Public Council under the Ministry of Youth and Sports of Azerbaijan. The university community congratulated the student and wished her further success.

For more information please click

A conference on the topic of Girls Right to Education was held jointly organized by BSU, AQUPDK, and the Education Development Fund

A conference on “Girls' Right to Education” was held within the framework of the Constitution and Sovereignty Year, jointly organized by BSU, State Committee for Family, Women and Children’s Affairs of Azerbaijan, and the Education Development Fund.During the event, speakers including BSU Rector Elchin Babayev, Committee Chair Bahar Muradova, and Minister of Science and Education Emin Amrullayev highlighted the importance of girls’ access to education and gender equality. It was noted that female students make up about 67% of BSU’s students, and girls in Azerbaijan actively participate in science, education, and public life. A memorandum of cooperation was signed between BSU and the State Committee to support girls’ education. The conference also presented scholarship and development programs aimed at expanding educational opportunities for girls and strengthening human capital in Azerbaijan.

For more information please click

Training for BSU students: Successful communication

The Psychological Support Sector of BSU organized a training session titled "Successful Communication" to improve students' personal development and communication skills. Psychologist Vasif Bashirov discussed the importance of communication in socialization, emphasizing emotional connection, mutual understanding, and effective interaction. Students learned techniques such as active listening, asking appropriate questions, showing empathy, and using body language effectively. The session concluded with practical exercises and discussions.

For more information please click

Psychological support sector conducts training on 5 traumas that prevent us from being ourselves

The Psychological Support Sector of BSU organized a training titled "5 Traumas That Prevent Us from Being Ourselves". Psychologist Natavan Hasanbayeva explained how trauma-arising from single or repeated stressful events, often in childhood-affects physical and psychological health, self-esteem, relationships, and behavior. Students learned about different types of trauma, preventive strategies, and participated in psychological tests to explore its effects.

For more information please click

A bowling tournament organized by BSU Student Youth Organization

A bowling tournament was held at “Bowling & Social Hub” in Crescent Mall, organized by the Student Youth Organization (TGT) of BSU. Students enjoyed a fun and engaging competition, and Eltun Heydarov, a student of the Faculty of Oriental Studies, won the tournament. He received a trophy and qualified for the upcoming inter-university final tournament.

For more information please click

The women table tennis team of BSU has won first place

The table tennis competition held during "Sports Week" at the Shua Sports Complex, organized by the Ministry of Youth and Sports of Azerbaijan and the Table Tennis Federation, concluded successfully. In the women's category, the BSU team took first place, while teams from Azerbaijan State University of Economics and Azerbaijan State Academy of Physical Education and Sports finished second and third, respectively. Congratulations were extended to the winning team.

For more information please click

A roundtable discussion titled Emotion and Action: Managing Emotions and Action-Based Steps was held at BSU

A roundtable titled "Emotion and Action: Managing Emotions and Action-Based Steps" was held at BSU on March 27 in connection with Science Day in Azerbaijan. Organized by the Student Scientific Society of the Faculty of Social Sciences and Psychology and moderated by Associate Professor Yaman Valiyev, the event discussed the role of emotions in human behavior and personality development. Participants emphasized that properly understanding and expressing emotions helps strengthen emotional intelligence and build healthier social relationships.

For more information please click

The BSU Student Youth Organization organized a two-day camp for students

The Student Trade Union Committee of BSU organized a two-day student camp at the Nazli Bulag Recreation Center in the Guba district. The camp aimed to effectively organize students' leisure time, and participants took part in team activities and various games.

For more information please click

The Psychological Support Sector of BSU held a training for schoolchildren

The Psychological Support Sector of BSU held a training session for students of Ilyas Efendiyev Elite Gymnasium on the topic "Student Motivation in Education" Psychologist Natavan Hasanbayeva explained the importance of motivation in the learning process, emphasizing its role in improving academic performance and personal development. The session also included motivation tests and interactive discussions.

For more information please click

BSU STUDENTS INFORMED ABOUT THE HARMFUL EFFECTS OF TOBACCO PRODUCTS

An awareness event titled “Let’s Combat Harmful Habits Together” was organized by the Student Youth Organization of BSU. Nigar Huseynova spoke about the harmful effects of tobacco and emphasized the importance of promoting a healthy lifestyle and raising public awareness. Therapist Gunay Allahverdiyeva informed students about the health risks of smoking, drugs, and alcohol. The event concluded with a discussion and a Q&A session with students.

For more information please click

SUSTAINABLE DEVELOPMENT GOALS WEEK SECOND DAY AT BSU: "HEALTH AND WELL-BEING"

An event dedicated to the “Health and Well-being” goal within the Sustainable Development Goals Week was organized by the Student Trade Union Committee of BSU at the Baku Health Center. Executive Director Asiman Hasanov spoke about healthcare reforms in Azerbaijan and the importance of health within sustainable development goals. Other doctors also informed students about the center’s services and current health issues among young people.

For more information please click

The Psychology Assistance Sector of BSU has initiated the Psychology Club project

Within the framework of the project, a meeting with students was held by club leader and psychologist Natavan Hasanzadeh. During the meeting, the project's goals, future plans, and students' expectations were discussed. Students were also introduced to the basics of psychotherapy through a training session and practical exercises. The project will last two months and aims to develop students' theoretical and practical skills in psychotherapy.

For more information please click

BSU hosted a training titled - New You with Boundaries

The Psychological Support Department of BSU organized a training session titled "New You with Boundaries" for students. Psychologist Ilkana Mansumova provided information about personal boundaries, their importance in relationships, and methods for establishing healthy boundaries. The session also included discussions, answers to students' questions, and book recommendations on the topic.

For more information please click

An event titled: Psychoprophylactic work with hearing-impaired individuals held at BSU

An event titled “Psychoprophylactic Work with Hearing-Impaired Individuals” was held at BSU by the Department of Social and Pedagogical Psychology. The event featured speakers including Kamila Aliyeva, Leman Hasanzadeh, Elmar Allahverdiyev, and Nasiba Agaverdiyeva. They discussed rehabilitation services, the importance of hearing aids and cochlear implants, and the role of ABA therapy in supporting children with developmental and behavioral disorders.

For more information please click

Psychological Assistance Sector of BSU has organized a training on the topic of Manipulation in Relationship Dynamics

An informative training on “Manipulation in Relationship Dynamics” was organized for students by the Psychological Assistance Sector of BSU. Psychologist Vasif Bashirov explained the concept of manipulation, its common types, and its effects on personal and social relationships. The training also discussed family dynamics and emphasized the importance of sincerity, care, and responsibility in healthy relationships, followed by interactive discussions with students.

For more information please click

The psychologist of the Psychological Assistance Sector of BSU conducted a training session at the Hedef Lyceum

Psychologist Ilkana Mensumova from the Psychological Assistance Sector of BSU held a training for teachers and parents of Hedef Lyceum within the "Analar Liseydə" project. The training focused on the role of parenting styles in child development, explaining four main styles-authoritarian, democratic, permissive, and neglectful-and their effects on children's personality and social skills. The session also discussed the importance of strong parent-child relationships in psychosocial development.

For more information please click

Next training on Stress and Stress Management at BSU

A training on "Stress and Stress Management" was organized at BSU by the Psychological Assistance Sector, the Student Trade Union Committee of the Faculty of Geology, and the Student Youth Organization. Psychologist Ilkana Imran explained the causes and effects of stress, as well as coping strategies, including breathing techniques, concentration exercises, and emotional regulation. The session concluded with a Q&A segment.

For more information please click

Art therapy-oriented session at the Young Talents Lyceum under BSU

An art therapy session was held for 8th-grade students of Young Talents Lyceum, organized by BSU Volunteers from the Faculty of Social Sciences and Psychology of BSU.

The session focused on supporting emotional well-being, enhancing self-expression, and fostering creativity. Students created drawings on chosen themes, accompanied by calming music, and discussed their work in an open dialogue at the end.

For more information please click

Closing ceremony of the sports tournament at BSU

The closing ceremony of a sports tournament celebrating the 102nd anniversary of National Leader Heydar Aliyev and the "Year of the Constitution and Sovereignty" was held at BSU, organized by the Student Trade Union Committee and the Sports and Health Center. In the interfaculty football tournament, the Faculty of International Relations and Economics won first place, and the Faculty of Ecology and Soil Science took third place. The ceremony included the national anthem, a minute of silence, speeches highlighting youth achievements in sports and education, and the awarding of trophies and medals. Over 300 students participated in competitions across five sports disciplines.

For more information please click

BSU students awarded special medals at Baku Marathon 2025

Students of BSU took part in the “Baku Marathon 2025,” organized by the Heydar Aliyev Foundation under the slogan “Conquer the Wind.” Over 700 BSU students ran the 21-kilometer course, with those finishing among the top 1,000 receiving special medals. The marathon, held for the eighth time since 2016, gathered nearly 15,000 participants and aims to promote sports and a healthy lifestyle.

For more information please click

"The Great Gatsby” analyzed at BSU Psychological Support Sector CineClub Project

As part of the "CineClub" project by the Psychological Support Sector (PSS) of BSU, students from the Faculty of Social Sciences and Psychology analyzed the film adaptation of F. Scott Fitzgerald’s novel “The Great Gatsby.” Psychologist Natavan Hasanzada emphasized how psychological film analysis can enhance personal development, emotional awareness, and critical thinking. Students examined character behaviors, emotions, and internal conflicts, sharing interpretations and insights into the film’s psychological depth.

For more information please click

BSU students were informed about HIV AIDS prevention measures

At a joint initiative by the "BSU Volunteers" organization and the Republican AIDS Center under the Ministry of Health, BSU students attended a session titled "HIV – The Hidden Enemy." Students received information about HIV and AIDS, including transmission, prevention, symptoms, and modern treatment. The importance of raising awareness among youth and promoting a healthy lifestyle was emphasized. Voluntary blood samples were collected for initial HIV testing and early diagnosis.

For more information please click

Youth Week 3 is being held at BSU

BSU launched the "Youth Week 3" project, organized by the Student Youth Organization (SYO). The project aims to support students' personal development, broaden their worldview, promote effective use of free time, and foster volunteerism. During the opening ceremony, SYO representatives encouraged students to participate actively. The week includes games, competitions, and training sessions, with gifts and certificates awarded to outstanding participants.

For more information please click

BSU students receive awareness training on the consequences of drug addiction

BSU held an awareness event titled "One Step, One Life: Say NO to Drugs!" organized by the "BSU Volunteers" and the Student Youth Organization. Psychologist Ramin Allahverdiyev explained the psychological basis of drug addiction, dependency mechanisms, treatment methods, and the role of families and society in prevention. The session ended with a Q&A, addressing students' questions about addiction and rehabilitation.

For more information please click

"Youth Week-3" concludes at BSU

BSU's "Youth Week-3," celebrating the 20th anniversary of the Student Youth Organization, concluded successfully. Students participated in interactive games, psychological trainings, dance masterclasses, and mini-games with prizes. Educational sessions covered topics like green transport and public participation in sustainable development. A faculty volleyball tournament was also held, with the Faculty of Ecology and Soil Science winning first place.

For more information please click

BSU's Psychological support sector delivers career guidance training at Young Talents lyceum

The Psychological Support Sector of BSU held a training session titled "Your Profession, Your Future" for 9th-grade students at the "Young Talents" Lyceum operating under BSU. Led by psychologist Natavan Hasanazada, students of the 4th year from the Faculty of Social Sciences and Psychology spoke to participants about the importance of career choice, explaining the difference between a profession and a specialization. It was emphasized that career selection plays a crucial role in shaping a young person's future, ensuring their employment, and guiding them toward a stable and independent life. Identifying students' professional interests is essential in helping them make informed decisions about their future careers and fields of study.

During the training, students also received information about key factors to consider when choosing a profession and the current demands of the labor market. Their questions were addressed in an open discussion format. At the end of the session, students took part in practical tests to help identify their skills and aptitudes.

For more information please click.

Art Therapy training held at BSU

An *"Art Therapy"* training session was held at BSU, supported by the Student Youth Organization of the Faculty of Biology and led by second-year student Fatima Sadigzade. At the beginning of the event, participants were introduced to the concept of art therapy. It was explained that art therapy involves the use of various forms of art and creative expression for therapeutic and rehabilitation purposes. In addition to enabling individuals to express themselves artistically, this method can bring about positive changes in cognitive and emotional skills. Thus, art therapy is a therapeutic approach that systematically integrates artistic practice. Fatima Sadigzade, who specializes in creating handmade works using clay, shared her knowledge and skills in the field with participants. Throughout the session, she demonstrated the techniques of clay art and helped participants explore their personal creative potential. The open-air event was attended by students and faculty members from various departments. A small exhibition of the handmade items created during the training was organized.

For more information please click

Bayramli Group LLC Holds Workshop on Proper Use of Dispensers at BSU

As part of the Career Festival at BSU, a workshop titled “Proper Use of Dispensers” was organized in collaboration with the State Employment Agency under the Ministry of Labor and Social Protection of the Population, “Bayramli Group” LLC, the BSU Student Trade Union Committee, the Career and Alumni Center, and the “BSU Volunteers” organization. During the session, Rashada Abdullayeva, an employee of the company, provided detailed information on the key rules, practical approaches, and correct application methods related to the use of dispensers-especially for hygiene and disinfection products. The trainer highlighted essential aspects such as the proper placement of dispensers, adherence to hygienic principles during use, minimizing contact, and applying solutions in optimal quantities.It was emphasized that proper dispenser usage plays a crucial role in preventing the spread of infections, fostering hygienic behavior, and maintaining sanitary standards in the workplace.At the end of the session, students' questions were answered, and participants gained hands-on experience and practical knowledge through real-life examples.

For more information please click

Members of BSU Student Trade Union visit the Women and Children Shelter Rehabilitation and Reintegration Center

On the occasion of June 1 - International Day for Protection of Children, a visit was organized by the BSU Student Trade Union Committee (STUC) to the “House of Love” Women and Children’s Shelter Rehabilitation and Reintegration Center. As part of the visit, students presented various gifts to the children, engaged in sincere conversations, and provided emotional support.

For more information please click

Summer Student Camp held at BSUs Quba Training and Recreation Center

A Summer Student Camp has been organized at the Quba Training, Education, and Recreation Center (TERC) of BS). The purpose of the camp was to increase students’ social engagement, foster a collaborative environment, and strengthen interrelations among BSU’s student organizations. During the camp, students had the opportunity to relax, participate in various games, build communication, and spend quality time together. At the end of the camp, BSU Rector Elchin Babayev awarded students who had shown active involvement in university life. He praised the initiative and exemplary activities of student organizations and expressed his gratitude.

For more information please click

BSU Team wins at “TEKNOFEST-2025” in Turkiye

The “BSU SSTCC” team from BSU achieved a remarkable victory at “TEKNOFEST-2025 Istanbul”, the aerospace and technology festival held from September 17-21. Competing among 565,776 teams from 96 countries, BSU’s “BSU SSTCC” team secured first place in the “Accessible Life Technologies” category with their project “NeuroScreen.” The “NeuroScreen” project is designed to read and filter brain signals of paralyzed patients to control various IoT-based smart home technologies, digital tools, and robotic organs. It also enables real-time health monitoring and AI-based medical assessments.

Representing BSU's Student Scientific-Technical Creativity Center, the team's success brings pride to the entire BSU community. Congratulations to the winners, and here's to even greater achievements ahead!
For more information please click

Three BSU teams reach the finals of the "Support for Student Initiatives – Project Vernissage" competition

Three teams from BSU have advanced to the finals of the competition titled "Support for Student Initiatives - Project Vernissage", jointly organized by BSU and the DOST Agency. Within the framework of the competition, 43 teams from universities across the country, presenting digital, innovative, and creative ideas in the field of social development, participated, and 9 of them secured a place in the final stage. The project "ÜFÜQ – Communication, Awareness, Hope, and Care", presented by Fatima Shiralieva, a second-year student of Psychology at the Faculty of Social Sciences and Psychology, aims to create a safe, anonymous digital platform where young people facing mental health challenges can express their feelings and receive support and motivation. The project "NeuroScreen", presented by Jamil Jafarli, a third-year student of Information Security at the Faculty of Applied Mathematics and Cybernetics, focuses on reading and filtering the brain signals of paralyzed patients to enable the control of IoT-based smart home technologies, digital tools, and robotic prosthetics. It also provides real-time health monitoring and AI-based diagnostics. The project "SƏS – Voice of the Voiceless", presented by Gulgun Shafiyeva, a second-year Psychology student at the Faculty of Social

Sciences and Psychology, seeks to develop an AI-based mobile and web platform for young people with hearing impairments. The platform is designed not only to provide access to information but also to allow users to showcase their skills to society and generate income through their talents.

The finalists will have the opportunity to present their projects at the international conference “SOCGOV 2025: Artificial Intelligence for Humanity and Transformation”, to be held in Baku on October 24.

The conference will bring together government officials, local and international experts, and investors specializing in artificial intelligence, technological transformation, and human society.

For more information please click

BSU holds training on "Adaptation"

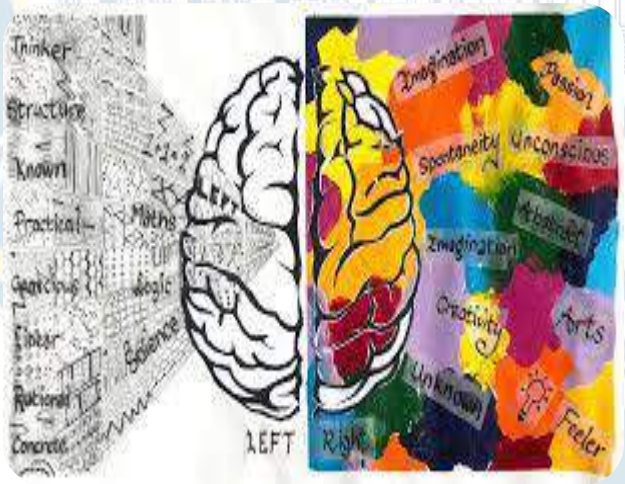
Psychologist Natavan Hasanzada from the Psychological Assistance Sector (PYS) of BSU conducted a training on “Adaptation” for first-year students at the University’s “Student House”. The training aimed to facilitate students’ adjustment to the new academic environment and support their psychological and personal development. It was emphasized that quick adaptation to university life plays a crucial role in achieving success in the educational process. During the session, participants received detailed information

about the concept of adaptation, its impact on various aspects of life, its stages, and duration. Students were able to assess their own adaptation levels through psychological tests.

For more information please click

BSU volunteers participate in "Art therapy" training

The “BSU Volunteers” organization, initiated by members from the Faculty of Social Sciences and Psychology, conducted an “Art Therapy” training as part of the “Me and My Shadow” project, led by clinical psychologist Gulsanam Vahid. The training aimed to strengthen students’ self-expression skills and help them achieve emotional well-being. During the practical session, participants expressed their feelings and imagination on white masks using colors. At the end of the training, participants discussed the artworks collectively, sharing their emotions and thoughts.



For more information please click

Student Scientific Society holds next seminar

On October 24, 2025, the Student Scientific Society (SSS) of the Ecology and Soil Science Faculty at BSU held its next seminar. During the seminar, second-year student Gulnaz Demirova presented on “Human organism ecosystem: ecological role of probiotics and prebiotics,” and third-year student Maytab Eminova spoke on “The impact of soil pollution on the quality of agricultural products”. The presentations were well-received, and numerous questions from participants were answered. At the end of the seminar, the presenters were awarded certificates and books as gifts.

For more information please click

CONCLUSION

BSU demonstrates a strong commitment to the implementation of Sustainable Development Goal 3: Good Health and Well-Being through its academic activities, health initiatives, and support services for students and staff. The university promotes a healthy and safe campus environment by encouraging physical activity, providing access to healthcare support, organizing awareness campaigns, and supporting research related to health and well-being.

The efforts of BSU contribute not only to the well-being of its university community but also to the broader development of public health awareness in Azerbaijan. Through education, scientific research, and collaboration with healthcare institutions, the university helps address health challenges and encourages healthier lifestyles among young people and society as a whole.

In addition, the university plays an important role in educating future specialists who will work in healthcare, environmental protection, and social development. By integrating health-related topics into academic programs and promoting interdisciplinary research, BSU strengthens its contribution to sustainable development and public health improvement.

SDG FOCUSED MEMBERSHIPS

aashe member
The Association for the Advancement of Sustainability in Higher Education

CANIE
climate action network

WAITRO

GUNI
GLOBAL UNIVERSITY NETWORK FOR INNOVATION

ISCN
International Sustainable Campus Network

Baku State University
http://sdg.bsu.edu.az/

SDG FOCUSED RANKING RESULTS

Rated for Excellence

Baku State University

Through rigorous and independent data collection and analysis of performance metrics as set out in the QS Stars™ methodology Baku State University has been awarded 5 Stars.

TEACHING ★★★★★
FACILITIES ★★★★★
EMPLOYABILITY ★★★★★
GOOD GOVERNANCE ★★★★★
ENVIRONMENTAL IMPACT ★★★★★
ACADEMIC DEVELOPMENT ★★★★★
GLOBAL ENGAGEMENT ★★★★
CHEMISTRY ★★★★
DIVERSITY, EQUITY & INCLUSION ★★★★★

QS Stars

The QS Stars™ rating system evaluates universities across a wide spectrum of important performance indicators as set against pre-established international standards. By assessing a broader scope of criteria than any world ranking exercise, QS Stars™ illuminates the unique strengths and diversity of the rated institution with both precision and clarity.

Leigh Kamolins, Head of Evaluation

Baku State University
http://sdg.bsu.edu.az/

UI GreenMetric World University Rankings 2025

CERTIFICATE

This certificate is awarded to

Baku State University

as The 493rd World's Most Sustainable University in 2025 UI GreenMetric World University Rankings

5 December 2025

Dr. Vishnu Juwono, S.E., MIA
Chairperson of UI GreenMetric

UNIVERSITY PROFILE

NAME	:	BAKU STATE UNIVERSITY
EST.	:	1919
COUNTRY	:	AZERBAIJAN

1. VERIFIED DATA

Campus Sustainability Scores

Overall Performance	Total Score
63.35 %	**6335 / 10000**

63.35%

SI	Setting & Infrastructure	Current: **810**	Maximum: 1500	54.00
WR	Water	Current: **650**	Maximum: 1000	65.00%
EC	Energy & Climate Change	Current: **865**	Maximum: 2100	
TR	Transportation	Current: **1560**	Maximum: 1800	86.67%
WS	Waste	Current: **1050**	Maximum: 1800	58.33%
ED	Education & Research	Current: **1400**	Maximum: 1800	77.78%

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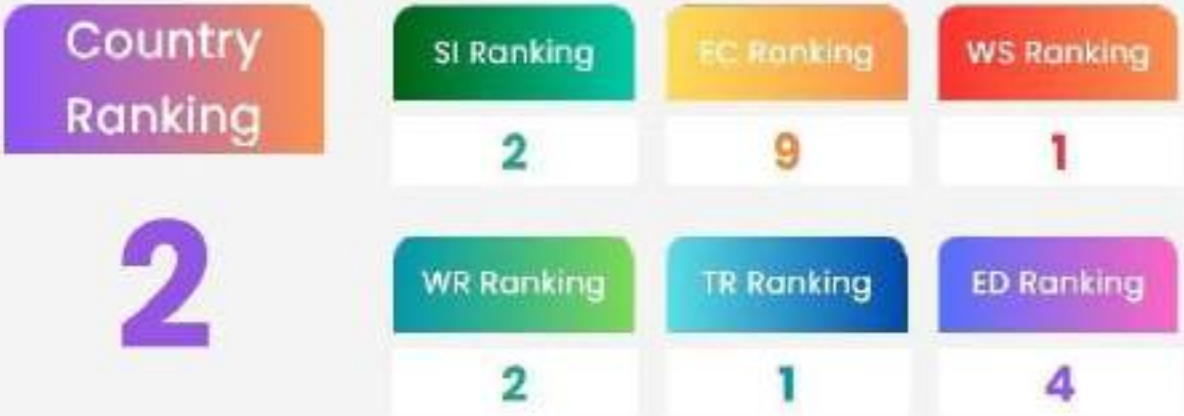
3. WORLD RANKINGS HISTORY

Figure 3.1 World Rankings History Diagram

4. RANKING IN AZERBAIJAN



THE IMPACT RANKINGS

THE Impact Rankings 2025

OVERALL SCORE

71.8 out of 100

OVERALL RANK

401–600 out of 2318 institutions

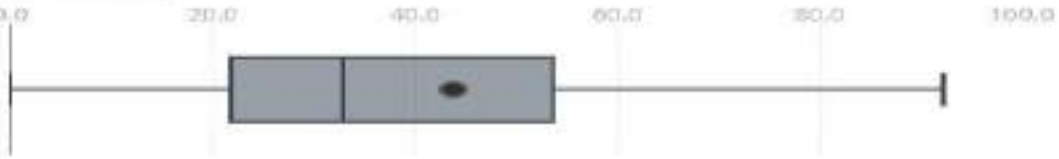
3 GOOD HEALTH AND WELLBEING

SCORE **51.3**

RANK **601–800** out of 1788 institutions

SCORE **43.8** Research on health and well-being

27% OF THIS SDG



Baku State University
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SCORE
32.2

Number of students graduating in health professions

24.6% OF THIS SDG

SCORE
73.9

Collaborations and health services

28.4% OF THIS SDG

SDG FOCUSED RESEARCH

BSU actively supports scientific research that contributes to the implementation of the United Nations Sustainable Development Goal 3 (SDG 3), which focuses on ensuring healthy lives and promoting well-being for individuals of all ages. Understanding that public health plays a fundamental role in sustainable societal progress, BSU promotes interdisciplinary research that integrates fields such as medical sciences, biotechnology, environmental health, public health governance, and advanced diagnostic innovations.

Within the framework of SDG 3, BSU's research activities address a wide range of global and regional health issues. These include the detection and prevention of diseases, the impact of environmental conditions on human health, the study of chronic and infectious illnesses, mental health research, maternal and child health, and the exploration of innovative therapeutic methods. By utilizing modern laboratory experimentation, computational analysis, and applied field investigations, the university seeks to produce reliable scientific evidence that can improve healthcare services, strengthen public health systems, and enhance the overall well-being of communities.

Through the integration of rigorous scientific research with practical solutions, BSU contributes not only to improvements in national healthcare outcomes but also to international scientific cooperation aimed at tackling global health challenges. These research efforts emphasize innovation, preventive healthcare strategies, and community-oriented approaches, reinforcing BSU's role as a key academic institution supporting health research and sustainable development in Azerbaijan and at the international level.

1. Malaria Detection and Food Security Linkages

Tene T., Guevara M., Caicedo I., Vacacela Gomez C., Bellucci S.

Developed a theoretical multilayer surface plasmon resonance (SPR) biosensor to distinguish malaria stages by detecting refractive index changes in infected blood cells. The sensor shows strong diagnostic potential, offering pathways to healthier populations-a key enabler of food security.

Read more

2. Water Pollution and Agricultural Safety

Humbatov F.Y., Solut H.A.N., Aslanova G.F., Balayev V.

Conducted a radioecological assessment of rivers in Azerbaijan, detecting radioactive contamination, heavy metals, and pesticides in water and soils. The findings stress the importance of safe water for agriculture and food systems.

Read more

3. Research Integrity and Reference Corrections

Gurbanov A.V., Firoozbakht F., Pourshirband N., Verpoort F.W.C., Mehrabadi Z.

Corrected inconsistencies in reference use within a manuscript, improving scientific transparency and reliability. Such integrity supports trust in research that informs sustainable food policies.

Read more

4. Noise Pollution and Environmental Health

Aliyev A.A., Nurubeyli T.K., Haziyev Y.H., Najafov E., Mammadov F.I.

Investigated strategies to reduce transport-related noise through acoustic modeling, noise barriers, and electric vehicles. Creating healthier environments indirectly supports agricultural productivity and food systems.

Read more

5. Economic Resilience in Digital Markets

Aliev A.R., Aliyev T.A., Eyniyev R.

Studied pricing strategies of indie games during COVID-19, providing insights into market adaptation. While not directly linked to food, resilient economies support SDG 2 by reducing poverty and hunger vulnerability.

Read more

6. Bioactive Plant Compounds for Food and Health

Atayeva V., Azizov F., Khalilov Z., Mustafayev N.S., Imanlı H.

Explored antioxidant-rich bioextracts from *Smilax exselca L.* fruits, identifying compounds with antibacterial, anti-inflammatory, and anticancer properties. These findings show promise for food, medicine, and eco-friendly applications.

Read more

7. Green Synthesis of Anticancer Compounds

Tüzün B., Agbektas T., Naghiyev F.N., Keklikcioglu Cakmak N., Mamedov İ.G.

Developed eco-friendly compounds with anticancer activity using a one-step green synthesis. Their antioxidant potential adds value for food and nutritional sciences.

Read more

8. Enhancing Crop Tolerance to Heavy Metals

Khan A., Liu D., Zheng J., Ibrahimova U.F., Ahmad I.

Showed that melatonin improves cotton seedling tolerance to cadmium stress, boosting nutrient uptake, photosynthesis, and gene regulation. This work provides strategies for safer crop production in contaminated soils.

Read more

9. Marine Pollution and Food Safety

Maeyouf H., Afifi R.A., Temraz T.A., Ali I., Imanova G.T.

Assessed heavy metal contamination in Libyan coastal waters and marine organisms, highlighting food safety risks from cadmium and lead bioaccumulation in fish.

Read more

10. Optimizing Biosensors for Food and Health

Tene T., Arias F., Guamán-Lozada D.F., Guadalupe A., María A., Gahramanli L., +2 authors

Numerically modeled SPR sensors with enhanced angular sensitivity, useful in medical diagnostics and potentially food safety monitoring.

Read more

11. Environmental Challenges and Food Security

Teymurova V.E., Abdullayeva S., Muradova K., Aslanova M.M., Bayramli M.

Analyzed Azerbaijan's challenges of air pollution, land degradation, water scarcity, and climate change, showing their economic and food security impacts. Solutions involve human capital and green technology adoption.

Read more

12. Bioactive Compounds Against Diabetes

Farzaliyeva A., Şenol H., Taslimi P., Alwase S.H., Gülçın İ.

Synthesized acetophenone derivatives with strong inhibitory activity against enzymes linked to neurodegenerative diseases and diabetes. Such compounds can improve health, supporting sustainable food access.

Read more

13. Nanoparticles from Food Waste

Doğan S., Baran A., Baran M.F., Eftekhari A., Khalilov R., +4 authors

Produced silver nanoparticles from carrot plant waste with strong antibacterial and anticancer effects. This valorization of food waste supports sustainable food systems.

Read more

14. Freshwater Biodiversity and Food Chains

Aliyev S.I., Ahmadova K., Suleymanov S., Abdurrahmanov Z., Farzali S.

Documented 53 macrozoobenthos species in Azerbaijan rivers, highlighting biodiversity's role in aquatic food webs and ecosystem services essential for food security.

Read more

15. Anti-Diabetic Drug Development

Ahsin A., Kurbanova M.M., Ahmad S.U., Al-Salahi R.A., El Bakri Y.

Synthesized and tested a compound (CPPD) with strong GLUT4 protein binding, indicating potential as an anti-diabetic drug. Such advancements help combat hunger-related diseases.

Read more

16. Child Health and Nutrition Outcomes

Jafarli I.A., John B., Syed M., Huseynova I.M.

Reviewed treatments for keloids in children, emphasizing innovative therapies. Child health is a prerequisite for food security and development.

Read more

17. Substance Abuse and Nutritional Health

Ramli F.F., Rejeki P.S., Izzah I.N., Abdullayeva G., Halim Sh.

Explored methamphetamine-induced organ damage mechanisms, highlighting oxidative stress and inflammation. Insights from this work relate to public health resilience, indirectly supporting SDG 2.

Read more

For all SDGs related articles please visit: Scopus - Baku State University

SDG contributions

Goal 1: No poverty	9 documents	Goal 10: Reduced inequalities	37 documents
Goal 2: Zero hunger	63 documents	Goal 11: Sustainable cities and communities	34 documents
Goal 3: Good health and well-being	221 documents	Goal 12: Responsible consumption and productior	37 documents
Goal 4: Quality education	24 documents	Goal 13: Climate action	45 documents
Goal 5: Gender equality	12 documents	Goal 14: Life below water	43 documents
Goal 6: Clean water and sanitation	75 documents	Goal 15: Life on land	27 documents
Goal 7: Affordable and clean energy	306 documents	Goal 16: Peace, justice and strong institutions	36 documents
Goal 8: Decent work and economic growth	59 documents	Goal 17: Partnership for the goals	40 documents
Goal 9: Industry, innovation and infrastructure	97 documents		

Baku State University
http://sdg.bsu.edu.az/

Baku State University

2025 REPORT ON

INTRODUCTION

Baku State University (BSU), the largest and oldest university in Azerbaijan, is committed to promoting high-quality education and inclusivity. The university offers extensive resources, including libraries, TV studios, museums, and research centers. BSU collaborates with various academic institutions to support intellectual exchange and the dissemination of knowledge. Additionally, the university actively participates in volunteer work and community outreach. However, there is a need for executive education programs. BSU implements anti-discrimination policies and promotes equality, ensuring accessibility for all. Overall, BSU plays a key role in advancing Sustainable Development Goal 4 in Azerbaijan.

Moreover, the Independent Agency for Quality Assurance in Education (IQAA) accredited six graduate programs at Baku State University, namely Inorganic Chemistry, Physical Chemistry, Analytical Chemistry, Organic Chemistry, Chemistry of High Molecular Compounds, and Petrochemistry. Based on the decision of the Accreditation Council of the Ministry of Science and Education of the Republic of Azerbaijan and the related decree of the Chairman of the Management Board of the Agency for Quality Assurance in Education, the results of these international program accreditations were officially recognized for state accreditation.

The Quality Assurance Center, which includes two units — the Monitoring, Analysis and Accreditation unit, and the Training, Methodological Support and development unit — operates at the university. The center functions in two main directions: enhancement, by providing training and methodological support for academic and administrative staff in the field of quality assurance, and accountability, through monitoring as well as coordinating local (institutional and program accreditation) and international (program accreditation) accreditation processes in collaboration with relevant structures and faculties. The academic performance of faculty members is regularly evaluated by the Monitoring Committee according to established criteria. In addition, the Quality Assurance Center assesses the performance of various university structures, faculties, and departments based on their responsibilities outlined in the Strategic Plan and compliance with relevant legislation. The Career Unit regularly collects data from alumni and analyzes employability rates. Furthermore, the Quality Assurance Center conducts surveys among different stakeholders, including students, academic and administrative staff, alumni, and the labor market.

For previous year`s report, please see

https://sdg.bsu.edu.az/report-on-sdg-4-quality-education

SDG 4. QUALITY EDUCATION

As the oldest and largest university in the country, BSU offers a wide range of facilities, including libraries, its own tv and radio studio, laboratories, museums, and more. The scientific library of Baku State University stands out as one of the most resourceful university libraries in the republic, serving as a cultural and intellectual hub for both students and faculty. It actively exchanges information not only with other university libraries across Azerbaijan but also with 49 universities and international publishing houses in 21 countries.

The University also runs its own TV channel that broadcasts a variety of programs for a wide audience. The channel operates in three languages: Azerbaijani, English, and Russian.

Baku State University (BSU) hosts five museums, which contribute significantly not only to the university's public life but also to its educational and research activities.

HEYDAR ALIYEV MUSEUM

HISTORY MUSEUM OF BSU

MINERALS MUSEUM

EVOLUTION MUSEUM

MUSEUM OF ARCHEOLOGY AND ETHNOGRAPHY

Research centers and laboratories at BSU are open free of charge not only to the university's students and staff but also to talented students and qualified researchers from across the country.

On its official website, the University offers online access to certain textbooks prepared by its faculties. Additionally, to ensure broader availability of printed editions of textbooks and other works authored by university staff, these resources can be found at the National Library of Azerbaijan.

BSU boasts a faculty composed of many leading professors and researchers from throughout the country. In addition to its regular academic programs, the university regularly hosts lectures, masterclasses, and other educational activities primarily aimed at its students. Furthermore, BSU occasionally organizes public events, including masterclasses, conferences, debate clubs, and intellectual competitions, offering platforms for exchanging ideas, sharing knowledge, and fostering intellectual dialogue, which benefit both the university and the broader community.

BSU provides professional development programs aimed at enhancing teaching quality, fostering the skills and potential of its academic staff, engaging students in teaching and learning, and promoting expertise in contemporary scientific and methodological practices, all aligned with its strategic development goals. Currently, the university does not offer executive education opportunities, such as short courses or vocational training, for participants outside the institution. The volunteer movement at BSU has been steadily growing each year. The "BSU Volunteers" organization, founded in 2019, now unites around 1,000 student volunteers. Since 2020, it has successfully implemented numerous projects, expanded volunteering at the university, and

actively participated in organizing social and cultural events in collaboration with other student groups.

The University closely cooperates not only with its lyceum and college, but also with other public schools.

As a university, our primary objective is to uphold the principles of equal rights and inclusiveness. We provide resources, opportunities, and recognition to every member of our diverse community, ensuring that they have an equitable chance to pursue education, engage in activities, and thrive in an environment that respects and values the individuality of each person.

BSU runs 12 dual degree programs in collaboration with universities from the USA, Israel, Kazakhstan, Turkey, and other countries. These partnerships help update teaching materials, curricula, and syllabi in line with international standards. Moreover, academic staff regularly revise syllabi and their content to reflect the evolving demands of the labor ma

The Career Path project info sessions organized by the Career and Alumni Affairs Center of BSU have begun

Baku State University's Career and Alumni Affairs Center has launched the "Career Path" project for first and third-year students from several faculties, including Ecology and Soil Science, Philology, Geography, History, Information and Document Management, and Oriental Studies.

The project aims to develop students' professional skills and prepare them for the labor market through internships, job opportunities, and five interconnected training modules. Participants will receive mentoring, practical assignments, and guidance on career planning, labor market analysis, and creating professional CVs. Students are selected via interviews, and the program equips them with the skills and knowledge needed for successful workforce entry.

For More Information, Please Click Here

Scientific seminar by Romanian National Institute of Materials Physics professor held at the Faculty of Physics

On November 27, 2025, a scientific seminar was held at the Faculty of Physics of Baku State University as part of the IX International "Modern Trends in Physics" conference.

Professor Stefano Bellucci from the National Institute of Materials Physics presented on "A new approach to SPR biosensors

using two-dimensional materials: from optical modeling to high-performance diagnostics." He discussed the principles, fabrication, and applications of surface plasmon resonance (SPR) biosensors, emphasizing how design factors and 2D materials affect their sensitivity and selectivity. The seminar concluded with a Q&A session, allowing participants to engage directly with the speaker.

For More Information, Please Click Here

BSU students informed about modern geophysical research methods in mineral deposit exploration

An informative training titled "The Role of Innovative Geophysical Research Methods in the Exploration of Mineral Deposits" was organized by the Student Trade Union Committee and Student Scientific Society of the Faculty of Geology at Baku State University.

Elfaq Mammadov and Amina Mammadova from AzerGold CJSC presented on modern geophysical techniques, innovative technologies, and data analysis methods used in mineral exploration. Students learned about the main stages of geological investigation, including prospecting, evaluation, exploration, and pre-exploitation preparation, as well as methods like magnetometry, seismic, gravimetry, and electromagnetic measurements. The session included a Q&A on career paths, internships, and professional development in geology.

For More Information, Please Click Here

BSU students informed about labor market regulation methods

As part of the “Career Path – 2” project by the Career and Alumni Center of Baku State University, a training on “Labor Market Research” was conducted by Ilkin Sharifov.

The session covered labor market fundamentals, key actors, analysis methods, state regulation, and the role of data collection in assessing demand across professions. Students also learned about trends shaped by digitalization and emerging professions. In the practical part, participants worked with real labor market data to enhance their career planning skills and received answers to their questions.

For More Information, Please Click Here

Associate Professor of the Department of Turkic Peoples History Sevinc Ruinten participated in an international conference in Uzbekistan

On October 10, 2025, Associate Professor Sevinc Ruinten from the Department of Turkic Peoples History at Baku State University participated in the international conference “Uzbekistan–Azerbaijan: Literary Relations and Prospects of Cooperation,” jointly organized by the Heydar Aliyev Azerbaijan Cultural Center and Tashkent State University of Oriental Studies.

Professor Ruinten presented on “The Place and Role of Sister Cities in the Development of Azerbaijan–Uzbekistan Cultural Relations during the Years of Independence,” highlighting the significance of cultural

diplomacy, academic collaboration, and intercity partnerships. The event included officials, scholars, and students from both countries, and the Azerbaijani delegation later held meetings with the university's rector and the Heydar Aliyev Azerbaijan Studies Center.

For More Information, Please Click Here

Scientific seminar held at the Department of High-Molecular Compounds Chemistry

A scientific seminar was held at the Department of High-Molecular Compounds Chemistry at the Faculty of Chemistry, Baku State University, marking the 120th anniversary of academician Yusuf Heydar oghlu Mammadaliyev.

Senior lecturer Aynurə Karimova presented on "Magnetic Drug Delivery Systems: Enhancing Therapeutic Efficacy in Cancer Treatment," highlighting nanoparticle-based drug delivery, optimization of drug loading, and results from collaborative research with the Sarcoma Laboratory of Mannheim Clinical University. The seminar focused on iron oxide nanoparticles coated with dextran, their physicochemical analysis, biological testing on cell lines, and discussions on structure–function relationships and future research directions.

For More Information, Please Click Here

Scientific seminar at BSU: “Fifth industrial revolution: Current Situation and Future Prospects”

A scientific seminar titled “Fifth Industrial Revolution: Current Situation and Future Prospects” was held at the Nano Research Laboratory of the Center of Excellence in Research, Development and Innovation at Baku State University.

Junior researcher Orkhan Gulahmadov presented on the historical development of industrial revolutions, focusing on Industry 5.0, including ethical AI, collaborative robots, personalized production, green technologies, and social justice. He also discussed Azerbaijan’s digitalization strategy, industrial parks, renewable energy projects, and technological development, followed by a discussion on future research priorities in technology and industry.

For More Information, Please Click Here

At BSU, a panel discussion titled Victorious Azerbaijani Youth: New Challenges and Goals was held

A panel discussion titled “Victorious Azerbaijani Youth: New Challenges and Goals” was held at Baku State University in honor of Azerbaijan Youth Day.

Moderated by Ramin Samadov, the discussion focused on the role of youth in

post-war Azerbaijan, emphasizing education, innovation, and national development. Speakers highlighted the importance of science, volunteerism, and career development opportunities. Key contributions came from Nicat Mammadli, Bakhtiyar Aslanbeyli, Adila Aliyeva, Ordukhan Gahramanzade, and Azer Aliyev, who discussed government support, volunteer engagement, and programs empowering young people in education, science, and leadership.

For More Information, Please Click Here

Five BSU students participate in the OIC Youth Forum

Five students from Baku State University — Mert Ustun, Aslan Bekirhan, Eylul Tanshi Karaca, Burcu Chaylak, and recent graduate Fidan Kərimli — participated in the Youth Forum held during Organization of Islamic Cooperation Week.

The Forum included panels on youth roles in regional development and national strategies for sustainable development. Participants worked in groups on economic cooperation, sustainability and technology, and human development. BSU student Mert Üstün proposed an "ECO Volunteering" program for OIC countries to provide youth with practical experiences. Around 100 young participants from seven member countries attended, alongside government officials and OIC representatives.

For More Information, Please Click Here

BSU students participate in the International Summer Camp "A step towards Sustainable Development" in Guba

From August 3–9, 2025, the Ministry of Youth and Sports of the Republic of Azerbaijan, together with the Azerbaijan Sport

Academy, held the international summer camp “A Step Towards Sustainable Development” at the Guba Olympic Sports Complex.

The camp brought together youth from Türkiye, Kazakhstan, Kyrgyzstan, and Azerbaijan, including Baku State University students and Advisor to the Rector Asiman Ilyasov. Participants engaged in lectures, workshops, and discussions on the Sustainable Development Goals, healthy lifestyles, gender equality, and sports. Cultural evenings, sports competitions, and excursions to Quba’s landmarks fostered intercultural exchange. Certificates were awarded at the closing ceremony, with organizers emphasizing the continuation of such international initiatives.

For More Information, Please Click Here

The final stage of the BSU Intellectual League has concluded

The final stage of the BSU Intellectual League, dedicated to the “Year of the Constitution and Sovereignty,” was held at Baku State University. Organized by the “BSU Volunteers” with Apply-Uni as main sponsor and “Berg” as a partner, 19 teams competed for the championship.

Ramin Samadov, Head of the Department of Humanitarian Affairs and Youth Policy, highlighted the role of intellectual games in developing analytical skills, teamwork, and social engagement. After three competition stages, the “Lusıfır4” team won first place, “Sapientia” came second, and “Hexateam” placed third; winners received certificates and trophies.

For More Information, Please Click Here

Opening of the “Student Space” at BSU

On May 26, 2025, Baku State University, in collaboration with the Azerbaijan Trade Unions Confederation, inaugurated a new “Student Space” on campus.

BSU Rector Elchin Babayev highlighted that the space, aligned with the “Year of Constitution and Sovereignty,” provides students with opportunities for socializing, debates, networking, and leisure. Features include a solar-powered area and a 24/7 mini-library accessible to all

students. Speakers emphasized that space will foster leadership, social engagement, and contribute to the overall development of students and the university community.

For More Information, Please Click Here

Establishment of the Archaeology Teaching and Research Center at BSU

Baku State University is establishing a new Archaeology Teaching and Research Center to expand research and strengthen the integration of science and education. The center will be formed because of the university's Archaeology Museum and Biological Anthropology Research Laboratory.

According to a decision by the BSU Academic Council, these units will be transferred from the Center for Excellence in Research, Development and Innovation to the new center. The initiative will also support cooperation with the

Institute of Archaeology and Anthropology of the Azerbaijan National Academy of Sciences and create broader opportunities for joint research, fieldwork, and training in archaeology, anthropology, history, and cultural heritage studies.

For More Information, Please Click Here

Networking session held at BSU within the Career Festival framework

As part of the Career Festival at BSU, a Networking Session was organized in collaboration with the State Employment Agency under the Ministry of Labor and Social Protection of the Population, PASHA Holding, the BSU Student Trade Union Committee, the BSU Career and Alumni Center, and the "BSU Volunteers" organization.

During the session, PASHA Holding representatives Fidan Khubanli (Senior Recruitment Specialist) and Zulfiya Heydarova (Administrative Assistant in Human Resources) provided students with information about career planning, recruitment stages, CV preparation, and job interview tips. Students also learned about PASHA Holding's fields of activity, internship programs, and career opportunities.

For More Information, Please Click Here

Joint online GNSS training at BSU successfully completed

The joint online GNSS training at BSU has been successfully completed.

An international webinar titled "GNSS Training", jointly organized by Baku State University and the Center for Spatial Information Science (CSIS) of the University of

Tokyo with the support of the International Committee on Global Navigation Satellite Systems (ICG), was held on 7–11 October 2025.

The online training focused on the scientific and practical foundations of GNSS technologies and was attended by BSU faculty members, students, and specialists from various fields. The sessions were led by Dinesh Manandhar, a leading researcher at the University of Tokyo and an internationally recognized expert in GNSS technologies and high-precision positioning methods.

The program covered topics such as the structure of GNSS systems, positioning accuracy and errors, high-precision measurement techniques (DGPS, RTK, PPP, MADOCA-PPP), and GNSS data processing using RTKLIB software. Participants gained both theoretical knowledge and practical experience through real-time data processing exercises.

The training contributed to strengthening BSU's international cooperation and promoting the application of modern geospatial technologies in education.

For More Information, Please Click Here

Masterclass Delivered to BSU Students by The Representative of The National Observatory

Baku State University, in cooperation with the Career and Alumni Center, hosted a masterclass by Ali Taghizade, Deputy Head of the Labor Market and Social Protection Research Department of the National Observatory under the Ministry of Labor and Social Protection of the Population.

The session, held for third-year Social Work students of the Faculty of Social Sciences and Psychology, focused on "The Current State and Prospects of the Labor Market." Ali Taghizade discussed global trends such as digital transformation, artificial intelligence, the green economy, and the changing structure of professions, referring to the latest findings of the World Economic Forum.

He highlighted the concept of "Future Jobs," noting increasing demand in areas like sustainable development, cybersecurity, artificial intelligence engineering, social innovation, and human resources management. The importance of soft skills—including communication, teamwork, emotional intelligence, and problem-solving—was also emphasized.

The masterclass also addressed the current labor market situation in Azerbaijan, pointing out the growing need for qualified specialists in information technologies, social services, education, and industry.

For More Information, Please Click Here

Students of BSU visit the Vegetable Research Institute

A study tour to the Vegetable Research Institute of the Ministry of Agriculture was organized for members of the "BDU Volunteers" from the Faculties of Ecology & Soil Science and Geography at Baku State University.

During the visit, the Institute's Scientific Secretary, Afaq Rəcəbli, provided information about the institution's activities, research directions, and scientific achievements. Students also observed research processes in the Institute's laboratories and departments.

The tour concluded with a visit to the greenhouse of the Greenhouse Vegetable Growing Department, where students were introduced to newly developed tomato and cucumber varieties created by the Institute's researchers.

For More Information, Please Click Here

BSU representatives visited the “LANDAU Education Group”

Staff members of the Career and Alumni Relations Center of Baku State University visited the headquarters of the “LANDAU Education Group” to discuss cooperation in education, career development, and improving the employability of students and graduates. During the meeting, the Center’s projects, including the “Career Compass” initiative, and opportunities for joint activities—particularly for students in pedagogical fields—were discussed. Representatives of “LANDAU Education Group” presented their educational environment, career opportunities, and the role of “LANDAU Academy” in developing practical teaching skills. The meeting also highlighted the successful work of BSU alumni at “LANDAU School,” and the parties discussed prospects for future cooperation.

For More Information, Please Click Here

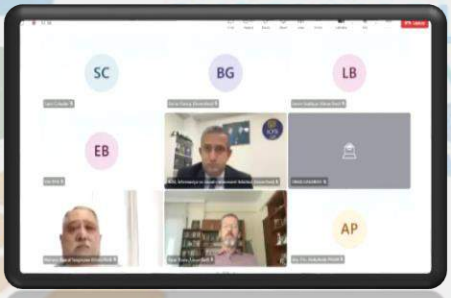
The next training session at BSU on Student Contribution to the SDG

At Baku State University (BSU), an educational training titled “Student Contribution to the Sustainable Development Goals” was held with the participation of the Student Trade Union Committee, Student Youth Organization, Student Scientific Society, and “BSU Volunteers.” The event was organized by the University’s Quality Assurance Center and led by the Rector’s Advisor on Quality Assurance, Asiman Ilyasov.

The training aimed to increase students’ knowledge about the UN Sustainable Development Goals and encourage their active involvement in sustainable development initiatives. During the event, students presented various ideas and initiatives related to public awareness and socially and environmentally oriented projects.

For More Information, Please Click Here

International Symposium on Information and Document Management

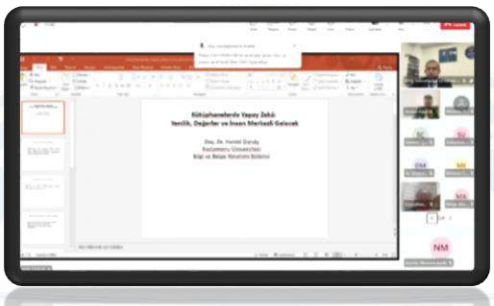


On 16 October 2025, the IV International “From Tradition to Future” Information and Document Management Symposium was launched with the participation of Baku State University and several Turkish universities, hosted by Kastamonu University.

Speakers highlighted the importance of academic cooperation and joint projects in the field. Topics such as document management,

artificial intelligence, information logistics, and library, museum, and archival activities were discussed.

The two-day symposium included 15 sessions and 70 presentations, more than 20 of which were delivered by BSU faculty members and doctoral students.



For More Information, Please Click Here

Summer camp for students and children of martyrs and veterans concludes in Guba

The summer camp dedicated to the "Year of the Constitution and Sovereignty" for students and children of martyrs and veterans has concluded. The camp was organized by Baku State University, the ICYF Eurasian Regional Center, "BDU Volunteers," and the "Amanat" Project.

On the final day, a training titled "Constitution and Youth: Legal Responses to Modern Challenges" was delivered by BSU master's student Mirhuseyn Tagiyev. At the closing ceremony, participants were awarded certificates and gifts, and they shared their impressions about the camp.

For More Information, Please Click Here

Launch of the Next Phase of the “Euronews Academy” international training programme at BSU

The next phase of the “Euronews Academy” international training programme on “TV and Live Journalism” has started at Baku State University within the cooperation between the Media Development Agency (MEDIA) and Euronews.

At the opening, representatives highlighted the importance of improving television journalism and adapting to modern media trends. The four-day training includes practical sessions led by Bojan Brkić, Head of the Euronews Astana Bureau, focusing on preparing TV news, reports, and live broadcasts.

The programme features interactive lectures, practical tasks, and discussions, and will continue until November 14.

For More Information, Please Click Here

Two students of the “Young Talents” lyceum under BSU become winners of SAF 2025

Two students of the “Young Talents” Lyceum under Baku State University became winners of the International STEAM Azerbaijan Festival (SAF 2025), held on 17–19 November at the Baku Expo Center.

Nazira Karimli, an 8th-grade student, won 2nd place in the “Mechatronics” category, while 5th-grade student Harun Alizade secured 3rd place in the “RoboGames Kids” category.

The festival brought together participants from more than 20 countries who competed in 18 categories covering robotics, artificial intelligence, renewable energy, drone and satellite technologies, and engineering.

For More Information, Please Click Here

“Green thinking” Kahoot intellectual competition held

On October 21, 2025, the Student Scientific Society of the Ecology and Soil Science Faculty at Baku State University organized a Kahoot intellectual competition titled “Green Thinking.”

Students from several faculties participated, answering questions on ecology and environmental protection. The event was opened by Dean Akif Agbabalı, and the rules of the competition were explained by SSS Chair Raul Imanov.

At the end of the contest, the “Evrika” team won the competition and was awarded certificates.

For More Information, Please Click Here

Summer camp to be held for students and children of martyrs and veterans at BSU Guba Educational-Training and Recreation Center

A summer camp for students and children of martyrs and veterans will be organized at the Guba Educational-Training and Recreation Center of Baku State University. The event is jointly organized by Baku State University, the ICYF Eurasian Regional Center, “BSU Volunteers,” and the “Amanat” Support Project.

The camp will take place from July 26 to 29 and will include interactive training, educational seminars, and team-based recreational activities.

For More Information, Please Click Here

Masterclass by BSU alumnus, York University (Canada) Professor Yulduz Rahimov

A meeting was held at Baku State University with Yulduz Rahimov, an alumnus of the Faculty of Applied Mathematics and Cybernetics and a professor at York University in Toronto, Canada.

During the event, attended by faculty members, students, and doctoral candidates, Dean Alakbar Aliyev highlighted the faculty's role in training specialists in Computer Science, Informatics Teaching, and Information Security.

Professor Yulduz Rahimov delivered a masterclass titled "Number Theory and Cryptography," discussing the importance of number theory in computer science, especially in cryptography, and explaining topics such as modular arithmetic, prime numbers, and congruence equations. The session concluded with an interactive discussion with students.

For More Information, Please Click Here

9th international scientific conference “Modern Trends in Physics” held at the Faculty of Physics

The 9th International Scientific Conference “Modern Trends in Physics” is being held at the Faculty of Physics of Baku State University within the framework of international scientific cooperation.

The conference is organized with the participation of universities and research institutions from countries such as Türkiye, China, Moldova, the United States, Pakistan, Hungary, and Romania. Speakers emphasized the importance of the event for strengthening scientific cooperation and developing new research directions in physics.

More than 300 papers from representatives of over 21 countries have been submitted, and the conference continues with sectional sessions covering various contemporary topics in physics.

For More Information, Please Click Here

Public speaker or just a talker training at BSU

A training session titled “Are You a Public Speaker or Just a Talker?” was held at Baku State University through the joint organization of the “BSU Volunteers” and the “YeniSən” platform.

The training was conducted by Turan Shabanov, founder of the “YeniSən” platform, who spoke about the importance of public speaking skills and explained the role of body language, voice tone, gestures, and emotional expression in effective communication.

The interactive session included practical exercises that allowed participants to apply the knowledge they gained in front of an audience.

For More Information, Please Click Here

Training at BSU: "Career Guidance"

Baku State University's Career and Alumni Relations Center organized a training on **"Career Guidance"** led by Aynur Mirzəzadə, Chief Executive Director of "HRENGINIREENG" LLC.

The training aimed to improve students' job-market readiness and career-planning skills. Participants received information on career planning, personal SWOT analysis, CV and motivation letter preparation, interview stages, and professional etiquette.

Students also learned about personal branding, the professional use of LinkedIn, and networking strategies, and took part in practical activities including CV analysis and an interview simulation. Certificates were presented to participants at the end of the event.

For More Information, Please Click Here

Our students at the Evolution Museum

Students of the “Museum, Archive Work and Monument Preservation” program at the Faculty of Information and Document Management of Baku State University visited the University’s Evolution Museum.

During the visit, museum specialist Umidvar Malikov provided information about the museum, established in 1937 by Professor Mirali Akhundov, and its unique role in presenting the evolution of life from simple organisms to humans.

Students explored the museum’s collections and received explanations about early human life, as well as various plant and animal species.

For More Information, Please Click Here

Training program on digital journalism launched under the Euronews Academy project

The next training on “Digital Journalism” has started at Baku State University under the Euronews Academy project, jointly organized by the Media Development Agency (MEDIA) and Euronews.

The program aims to share international media practices and develop practical digital journalism skills. On the first day, multimedia journalist Tuba Altunkaya introduced participants to digital news gathering, data analysis, fact-checking, and story development.

The training continues with interactive lectures, group assignments, and sessions on social media, YouTube channel management, and mobile journalism.

For More Information, Please Click Here

BDU signs Erasmus exchange protocol with the West University of Timisoara

Baku State University has signed an Erasmus exchange protocol with the West University of Timisoara in Romania to strengthen international academic cooperation.

The agreement provides exchange opportunities for undergraduate and graduate students, researchers, and academic staff. Founded in 1944, the West University of Timisoara has 11 faculties and nearly 16,000 students.

For More Information, Please Click Here

Baku State University and the Hebrew University of Jerusalem (HUJI) announce admission to a joint Dual Degree Program

Baku State University (BSU) and the Hebrew University of Jerusalem (HUJI) announce admission to their joint dual Master's degree program in biotechnology, offering the opportunity to earn Master's degrees from both universities.

Program Highlights:

- Year 1: Semester I at BSU, Semester II at HUJI
- HUJI Master's degree available via non-thesis track
- Year 2: Option to continue at BSU and receive two Master's diplomas

Eligibility:

- Bachelor's degree in Biology, Chemistry, Physics, Chemical Engineering, Ecology, or related teaching fields
- Minimum GPA 80+
- English proficiency (IELTS 6+ or TOEFL iBT 89+)
- Letter of recommendation and medical certificate

For More Information, Please Click Here

"Huawei ICT Competition 2025–2026" held for BSU students

The **"Huawei ICT Competition 2025–2026"** for university students is being held with support from Huawei and UNESCO's Global Skills Academy. Launched in 2015, the competition provides an international platform for students to enhance ICT knowledge, practical skills, and innovation using the latest technologies.

Competition Tracks:

1. **Practice Competition:** Computing, Networking, Cloud Technologies

2. **Innovation Competition:** Develop an AI application using “MindSpore”
3. **Teaching Competition:** Industry–education collaboration track

Preliminary information, the detailed brochure, and an infosession are available for interested students.

For More Information, Please Click Here

“Open Day” for applicants held at BSU

An “Open Day” has started at Baku State University, organized by the “BSU Volunteers” organization.

Applicants learned about BSU’s educational programs, scientific and social activities, international relations, and new specializations aligned with labor market demands. They also visited the University’s museums, “Eco Space,” and the Student Scientific and Technical Creativity Center.

During an information session, Ramin Samedov, Gunel Gurbanova, and Nargiz Abbas provided details on academic programs, faculties, social life, internships, and career planning. Questions from applicants were addressed at the end of the session.

For More Information, Please Click Here

Conclusion

In conclusion, Baku State University demonstrates a strong commitment to advancing the principles of Sustainable Development Goal 4 – Quality Education through its comprehensive academic environment, well-developed infrastructure, and active engagement in research and community activities. The university provides diverse educational resources, including libraries, laboratories, museums, and research centers, which support both teaching and scientific development. Additionally, international program accreditations, dual degree partnerships, and continuous curriculum updates reflect BSU's efforts to align its academic standards with global educational practices.

The presence of a structured quality assurance system, regular monitoring of academic performance, and stakeholder feedback mechanisms further contribute to maintaining and improving the quality of education. Initiatives such as career development programs, public lectures, seminars, and student volunteering activities enhance students' professional skills, social engagement, and readiness for the labor market.

At the same time, the analysis indicates opportunities for further development, particularly in expanding executive education and lifelong learning programs that would enable wider participation from professionals and external learners.

Strengthening such initiatives would further enhance the university's contribution to inclusive and accessible education.

Overall, through its educational resources, quality assurance mechanisms, international collaboration, and student-centered initiatives, Baku State University plays a significant role in promoting inclusive, equitable, and high-quality education in Azerbaijan, thereby contributing meaningfully to the achievement of SDG 4.

SDG Focused Memberships

CANIE
climate action network

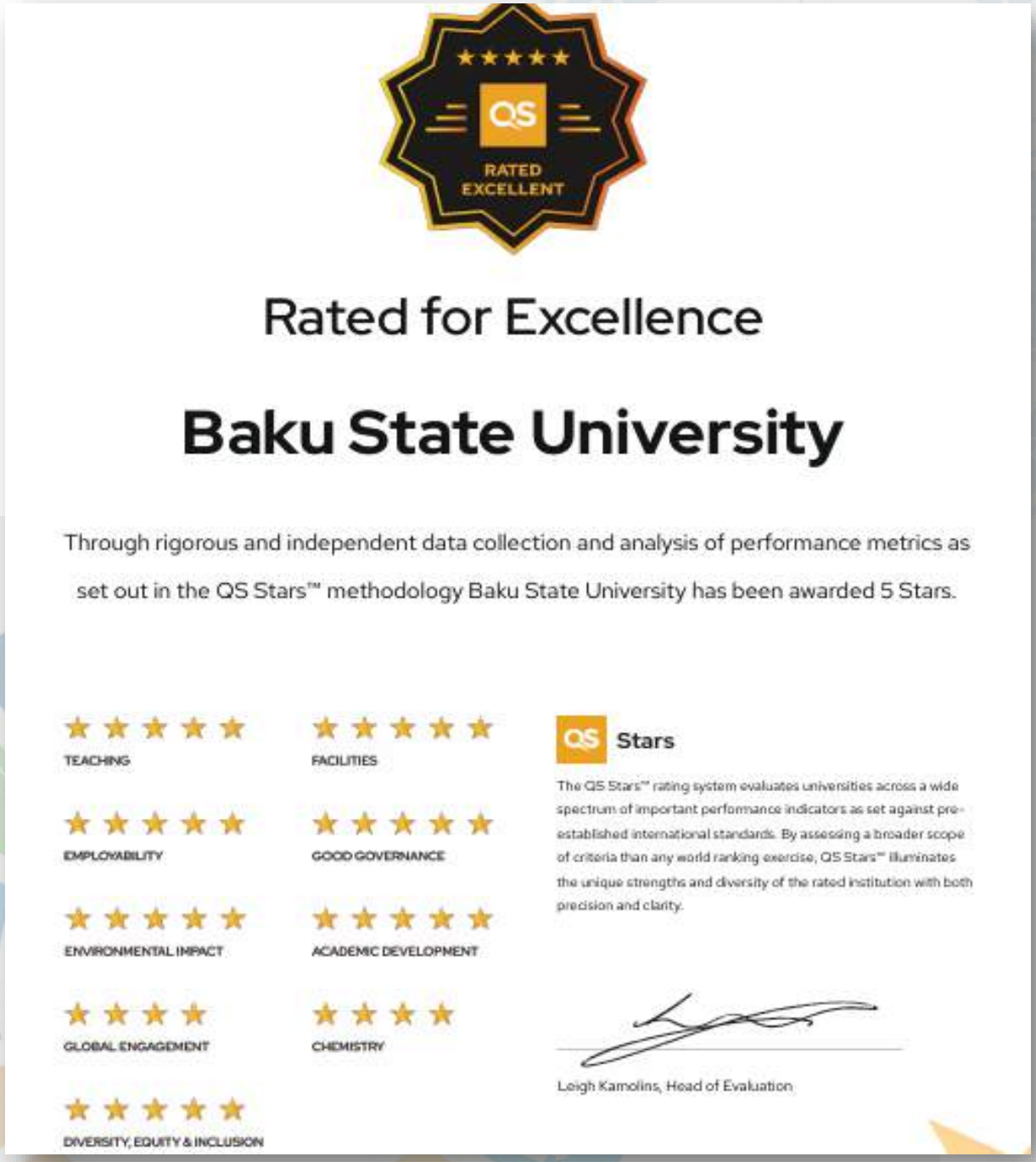
aashe member
The Association for the Advancement of Sustainability in Higher Education

ISCN
International Sustainable Campus Network

WAITRO

GUNI
GLOBAL UNIVERSITY NETWORK FOR INNOVATION

SDG Focused Ranking Results



RATED EXCELLENT

Rated for Excellence

Baku State University

Through rigorous and independent data collection and analysis of performance metrics as set out in the QS Stars™ methodology Baku State University has been awarded 5 Stars.

TEACHING

FACILITIES

EMPLOYABILITY

GOOD GOVERNANCE

ENVIRONMENTAL IMPACT

ACADEMIC DEVELOPMENT

GLOBAL ENGAGEMENT

CHEMISTRY

DIVERSITY, EQUITY & INCLUSION

QS Stars

The QS Stars™ rating system evaluates universities across a wide spectrum of important performance indicators as set against pre-established international standards. By assessing a broader scope of criteria than any world ranking exercise, QS Stars™ illuminates the unique strengths and diversity of the rated institution with both precision and clarity.

Leigh Kamolins, Head of Evaluation

UI GreenMetric
UNIVERSITAS INDONESIA
UI GreenMetric World University Rankings 2025
CERTIFICATE
This certificate is awarded to
Baku State University
as The 493rd World's Most Sustainable University
in 2025 UI GreenMetric World University Rankings
5 December 2025
Dr. Vishnu Juwono, S.E., MIA
Chairperson of UI GreenMetric

4. RANKING IN AZERBAIJAN

Country Ranking	SI Ranking	EC Ranking	WS Ranking
1	2	11	3

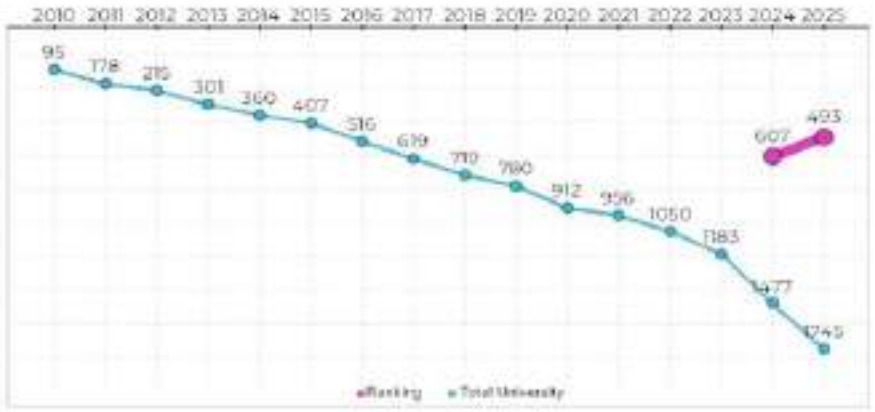
WR Ranking	TR Ranking	ED Ranking
5	1	2

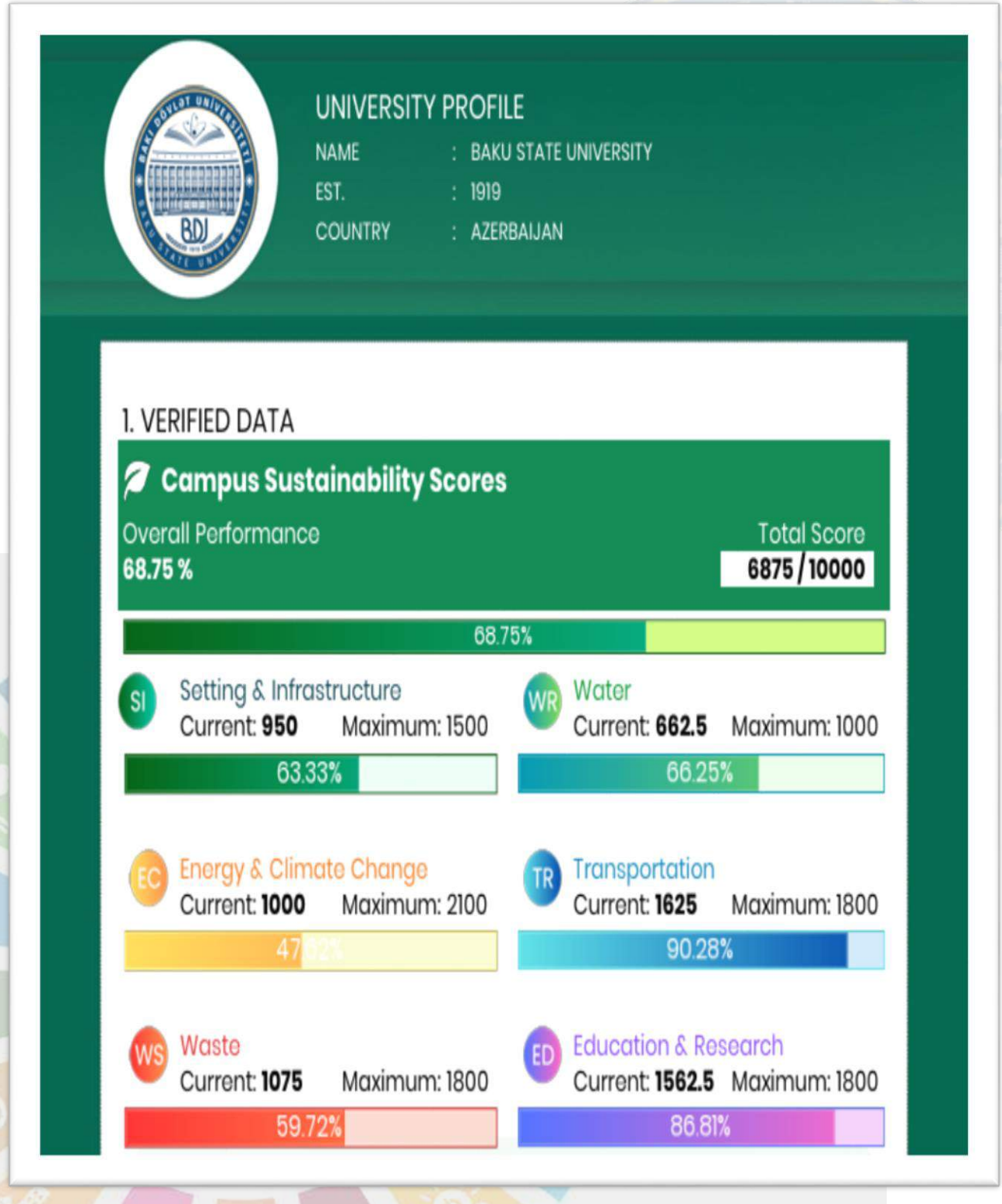
2. RESULTS SUMMARY

World Ranking	SI Ranking	EC Ranking	WS Ranking
493	660	1102	654

WR Ranking	TR Ranking	ED Ranking
607	98	239

3. WORLD RANKINGS HISTORY




UNIVERSITY PROFILE
NAME : BAKU STATE UNIVERSITY
EST. : 1919
COUNTRY : AZERBAIJAN
1. VERIFIED DATA
Campus Sustainability Scores
Overall Performance
68.75 %
Total Score
6875 / 10000
68.75%
SI
Setting & Infrastructure
Current: 950 Maximum: 1500
63.33%
WR
Water
Current: 662.5 Maximum: 1000
66.25%
EC
Energy & Climate Change
Current: 1000 Maximum: 2100
TR
Transportation
Current: 1625 Maximum: 1800
90.28%
WS
Waste
Current: 1075 Maximum: 1800
59.72%
ED
Education & Research
Current: 1562.5 Maximum: 1800
86.81%

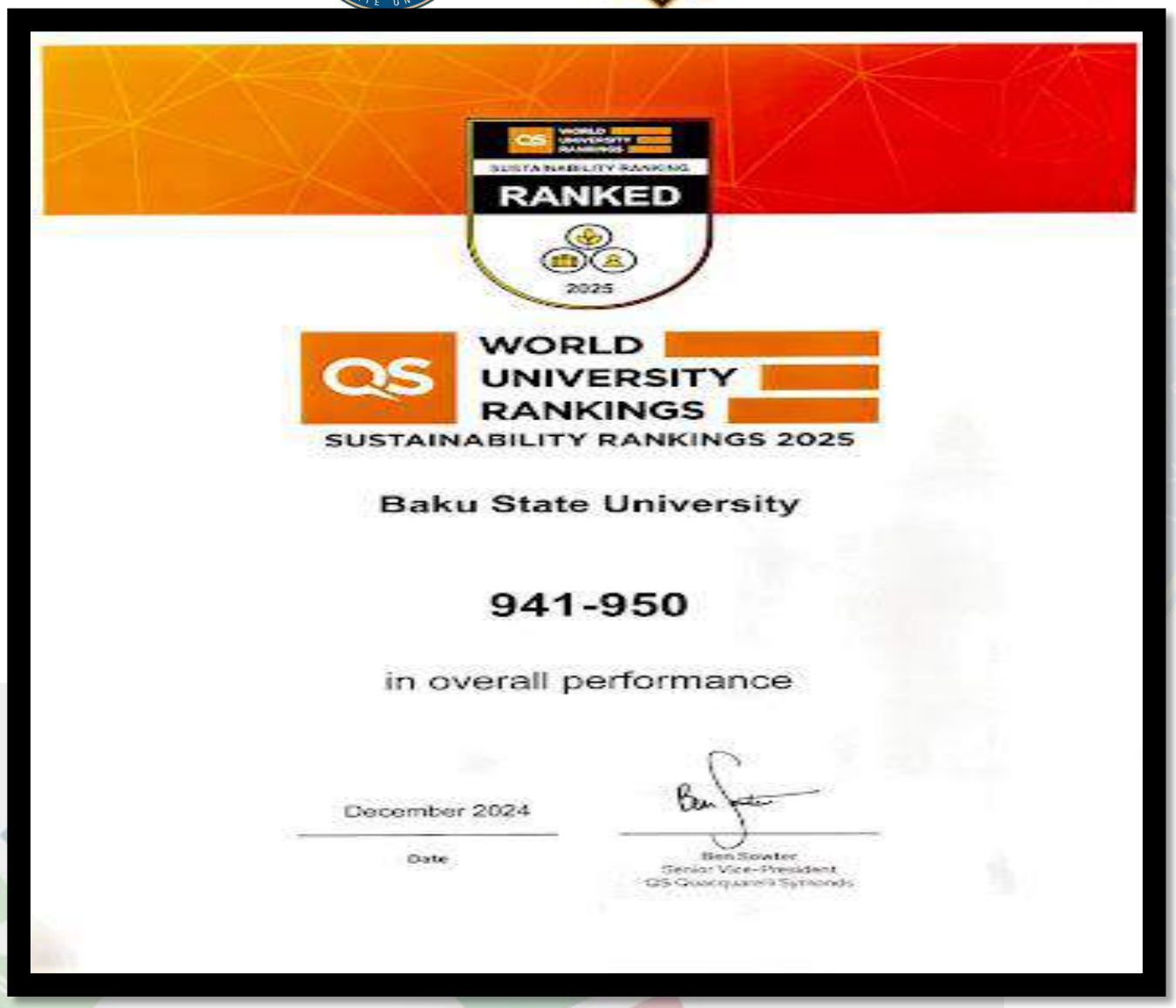
4 QUALITY EDUCATION

THE IMPACT RANKINGS

THE Impact Rankings 2025

Download

OVERALL SCORE	OVERALL RANK	SDG PARTICIPATED
71.8 out of 100	401-600 out of 2318 institutions	15 out of 17 Sustainable Development Goals


RANKED
2025
QS WORLD UNIVERSITY RANKINGS
SUSTAINABILITY RANKINGS 2025
Baku State University
941-950
in overall performance
December 2024
Date
Ben Sowter
Senior Vice-President

THE IMPACT RANKINGS

OVERALL RANK
401–600
out of 2318 institutions

4 QUALITY EDUCATION

QUALIFYING SDG - 26% OF OVERALL

SCORE	RANK
79.1	46 out of 1975 institutions

SCORE

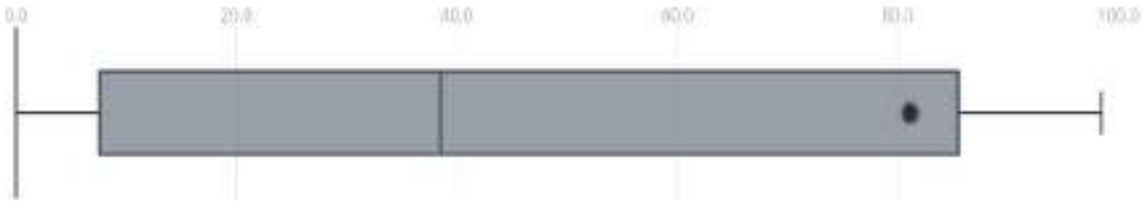
68.5 Research on early years and lifelong learning education

27% OF THIS SDG

SCORE

81.1 Proportion of graduates with teaching qualification

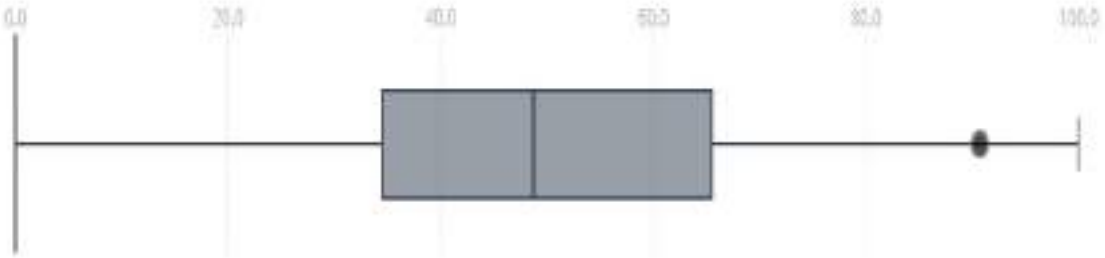
15.4% OF THIS SDG



SCORE

90.7 Lifelong learning measures

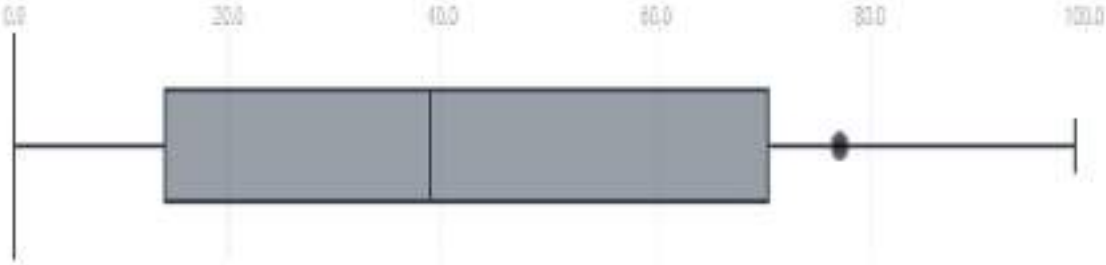
26.8% OF THIS SDG



SCORE

77.2 Proportion of first-generation students

30.8% OF THIS SDG



SDG Focused Research

Introduction:

Baku State University actively contributes to the United Nations Sustainable Development Goal 4 (SDG 4), which aims to ensure inclusive, equitable, and quality education while promoting lifelong learning opportunities for all. Recognizing that education is the foundation for personal growth, social development, and economic progress, BSU emphasizes research that enhances teaching methodologies, curriculum design, digital learning, and higher education policy.

BSU's research under SDG 4 focuses on key areas including student-centered learning, the integration of digital and AI-based educational tools, curriculum modernization, access to education, and capacity-building for educators. The university explores innovative approaches to address challenges such as disparities in educational access, alignment with labor market needs, and the promotion of skills for the 21st-century workforce.

Through collaboration with national and international partners, BSU develops evidence-based strategies to improve learning outcomes, foster educational equity, and strengthen institutional capacities. By combining theoretical insights with practical interventions, BSU's initiatives support lifelong learning, contribute to educational innovation, and advance the broader goal of inclusive and high-quality education in Azerbaijan and beyond.

For SGDs related articles please visit:
https://www.scopus.com/pages/organization/60071969#tab=sdgs

sDG contributions

Goal 1: No poverty	9 documents	Goal 10: Reduced inequalities	40 documents
Goal 2: Zero hunger	74 documents	Goal 11: Sustainable cities and communities	37 documents
Goal 3: Good health and well-being	241 documents	Goal 12: Responsible consumption and productio	44 documents
Goal 4: Quality education	21 documents	Goal 13: Climate action	55 documents
Goal 5: Gender equality	12 documents	Goal 14: Life below water	50 documents
Goal 6: Clean water and sanitation	83 documents	Goal 15: Life on land	31 documents
Goal 7: Affordable and clean energy	353 documents	Goal 16: Peace, justice and strong institutions	36 documents
Goal 8: Decent work and economic growth	68 documents	Goal 17: Partnership for the goals	47 documents
Goal 9: Industry, innovation and infrastructure	101 documents		

1. Human Capital Challenges in Azerbaijan

Authors: Teymurova V.E., Abdullayeva S., Dunyamaliyeva V.R., Muradova K., Bayramli M.

Focus: Analysis of workforce quality and demographic trends (2000–2024).

Findings: Identified skilled labor shortages and an aging population as major challenges affecting economic growth and social systems. Emphasized collaboration between government, businesses, and educational institutions to strengthen human capital.

Read more

2. Emotional Intelligence Development

Author: Asadova N.

Focus: Evaluated an emotional intelligence program for students and employees in educational and professional STEM environments.

Findings: Participants showed improvements in emotional management, empathy, and professional interactions. Supports integrating emotional competence training into higher education curricula for holistic development.

Read more

3. Educational Technology and Innovation

Authors: Gulahmadov O., Muradov M.B., Gahramanli L., Karimova A., Mammadyarova S., +3 authors

Focus: Enhancement of triboelectric nanogenerator (TENG) performance with Fe_3O_4 nanoparticles.

Findings: Demonstrated the potential of advanced nanotechnology for energy-efficient devices, indirectly supporting STEM education by providing practical applications for engineering and physics students.

Read more

4. Fuzzy Inference in Regional Development

Authors: Aliyev E., Rzayeva I., Aliyeva A., Aghayev F.

Focus: Use of fuzzy inference to identify anchor objects in tourist clusters driving regional economic growth.

Findings: Method reliably ranks enterprises based on centrality and

attractiveness, highlighting applications of quantitative and qualitative analysis in educational curricula for economics and regional planning students.
Read more

5. Global Education and Training of Radiation Therapists

Authors: Leech M., Coffey M., Jeha J., Prajogi G.B., Bakhishova K.
Focus: Survey of education gaps among Radiation Therapists worldwide.
Findings: Many countries lack specialized education and structured clinical training; emphasizes the need for international collaboration in health-related education.
Read more

6. IoT and Bioelectronics in Sustainable Education

Authors: Khang A., Abdullayev V.H., Litvinova E.I., Gadirova E.M., Avramović Z.Ž.
Focus: Transforming waste treatment systems via IoT and bioelectronics.
Findings: Provides practical strategies for eco-friendly innovation, enhancing STEM education with real-world sustainability applications.
Read more

7. Trade and Economic Learning in Azerbaijan

Authors: Changizi-e K., Gangiov G., Abbasov V.
Focus: Analysis of trade barriers between Iran and Azerbaijan.
Findings: Highlights the role of political, economic, and structural challenges in shaping economic education and policy programs.
Read more

8. Teacher Evaluation in Higher Education

Authors: Mardanov M.D., Aliyev E.R., Rzayev R.R., Abdullayev K.
Focus: Lack of systematic approaches to evaluate university teachers in Azerbaijan.
Findings: Proposed an expert evaluation method to improve transparency, institutional reputation, and teaching quality.
Read more

9. Social-Emotional Competence of School Leaders

Authors: Kazimzade E., Magno C., Mirzaei A.

Focus: Social-emotional competence (SEC) of Azerbaijani secondary school leaders post-COVID-19.

Findings: Empathic leadership is shaped by collectivist cultural values; culturally grounded SEL practices are crucial in professional development.

Read more

10. Changing Reading Habits Among Youth

Authors: Kazimi P., Guliyeva N.A.G.

Focus: Impact of the Internet on reading habits of young Azerbaijanis.

Findings: Traditional in-depth reading is declining, replaced by rapid online information consumption; highlights the need for digital literacy education.

Read more

11. Parenting Beliefs and Early Childhood Development

Authors: Almazova O.V., Azimzade A.A., Gavrilova M.N., Babayev M.A.

Focus: Parenting beliefs among rural Azerbaijani mothers.

Findings: Emphasis on traditional roles and early childhood values; educational programs could bridge gaps in parental knowledge for better learning outcomes.

Read more

12. Onomastic Dictionaries for Language Learning

Author: Habibli R.

Focus: Development of linguocultural resources for foreign learners.

Findings: Proposes specialized onomastic dictionaries to enhance vocabulary and cultural understanding, supporting language education.

Read more

13. IT Projects in Higher Education Reform

Authors: Krokhmalnyi R., Krokhmalna H., Krokhmalnyi D., Kazimi P.

Focus: Role of IT competencies in higher education communication and innovation.

Findings: Learnopolis project demonstrates effective international collaboration and modern digital pedagogy implementation.
Read more

14. Gender Roles and Educational Access

Author: Aliyeva L.A.
Focus: Evolution of gender roles in the Caucasus.
Findings: Traditional norms limit women's career growth and public participation; legal and societal reforms are necessary to achieve gender parity in education.
Read more

15. Mobile Learning in Entrepreneurship Education

Authors: Teymurova V.E., Abdalova M., Babayeva S.J., Mammadov E., Islamova N.
Focus: Integration of mobile learning in Azerbaijani university entrepreneurship courses.
Findings: National traditions align with mobile learning; flexible models enhance students' entrepreneurial competencies.
Read more

16. Developing Engineering Thinking

Authors: Gilmanshin I.R., Gilmanshina S.I., Galeeva A.I., Gadirova E.M., Galeev I.A.
Focus: Methods to enhance engineering thinking in university students.
Findings: German master's programs in sustainable management provide best practices; problem-based learning and analytical reasoning are key strategies.
Read more

17. Gender Stereotypes in Education

Author: Mollaeva E.A.
Focus: Persistent gender stereotypes in students, teachers, and families.
Findings: Socioeconomic and psychological barriers limit access to higher education for women; promoting gender equality requires legal, financial, and societal reforms.
Read more

Baku State University

2025 REPORT ON

5 GENDER EQUALITY

INTRODUCTION

The provided information outlines Baku State University's initiatives and activities related to Sustainable Development Goal (SDG) 5, which centers on achieving gender equality and empowering all women and girls. The university is actively involved in collecting and tracking data regarding female students, their access to education, academic progress, and representation in different fields. BSU has policies promoting equality, diversity, and inclusion, as well as support mechanisms like mentoring programs and scholarships aimed at empowering female students. Additionally, the university is committed to preventing discrimination and harassment, with policies in place to protect those reporting such incidents. Overall, Baku State University is dedicated to advancing gender equality and fostering an inclusive environment for all members of its community.

Mentoring: Actually, gender ratios are various in different faculties. But in general, on average, women are dominating. This issue is addressed in some actions 8 and 14 of the action plan for Policy on equality, diversity, and inclusion: Action 8: To establish several mentoring and coaching programs for creating professional growth and Action 14: To promote equal chances for all individuals.

Scholarships: The provision of scholarships to students at BSU is determined only based on admission and teaching results. According to the Policy on equality, diversity, and inclusion: All students can appeal and state grievances in person in a written form to the respective Unit and demand to act against any kind of unfair behavior.

COLLABORATIONS

In this regard, special attention is paid to collaboration with - Universities - ANAS Academy of Sciences (Philosophy and Sociology Institute, Institute of Physiology named after Acad. A. Garayev) - government bodies (The State Committee for Family, Women and Children's Issues, Ministry of Education, Ministry of Youth and Sport, State Committee on Statistics, State Examination Center of the Republic of Azerbaijan) - NGOs (WARD, etc.) - international organizations (UNFPA, UNDP, UNICEF, EC).

WOMEN'S PROGRESS

The policy of non-discrimination against women is based on international (CEDAW) and national (Law of the Republic of Azerbaijan on Gender Equality) legal documents. According to international (CEDAW) and national (GBT LAW) documents on nondiscrimination against women the information is regularly collected and reviewed, and the University pursues the above state policy.

Anti-Harassment and Anti-discrimination Policy (AHAD) have been developed at BSU. It is also regulated by the Law of the Republic of Azerbaijan on Guarantees of Gender Equality and CEDAW. It is envisaged in the relevant articles of the Family Code and the Labor Code of the Republic of Azerbaijan, which are mandatory for the university and are reflected in the Action Plan of BSU on SDG 5.

On equality, diversity, and inclusion policy: University promotes equality, diversity, and inclusion policy among academic administrative staff and students. The university raises awareness for equal rights and encourages individuals to show off for the injustice.

Baku State University has a comprehensive policy and committed leadership, which endeavors to foster an ethical culture and promote a diverse, inclusive, and engaged student-centered education system. In the Anti-discrimination policy, there are next points: Acts are therefore forbidden, even if they are not unlawful, if they limit employment opportunities, access to university housing, or participation in academic, athletic, social, cultural, or other university activities inappropriately based on age, color, gender, gender identity, disability status, height, marital status, national origin, political persuasion, race, religion, or weight; or harass any university community member(s) based on their age, race, religion, veteran status, height, marital status, country origin, gender identity, disability status, or weight.

In the Policy on equality, diversity, and inclusion there are next points:

- ✓ The university created a mechanism for reporting any unfair actions.
- ✓ All students can get in touch with the Rector directly via the website and address their appeals and grievances according to any kind of unfair behavior.
- ✓ All students can appeal and state grievances in person in a written form to the respective Unit and demand to act against any kind of unfair behavior.
- ✓ The Ethic Code for Academicians and Employees was accepted by the Scientific Council and according to the respective provision(s), any kind of unfair behavior is taken as a violation of the provisions of the abovementioned Code. In this case, it is needed to put sanctions or take preventive actions with the decision of The Disciplinary Committee.
- ✓ The Disciplinary Committee performs autonomously according to its statute, audits the violations of the abovementioned Code provisions, including any kind of unfair behavior, and makes binding decisions.

In the Anti-harassment and Anti-discrimination Policy, there is the next point in the Action plan: To establish an Anti-harassment and Anti-discrimination Center and Student Assistance Programs.

BSU has established structured women's mentoring schemes aimed at supporting the personal, academic, and professional development of female students. These schemes connect students with experienced faculty members, alumni, and industry professionals who provide guidance, advice, and networking opportunities. For example, the "women in stem mentorship program" pairs female students in underrepresented fields with senior researchers and industry mentors to offer guidance on research projects, internships, and career pathways. Similarly, the "leadership for women students" initiative engages students interested in student governance and entrepreneurship with successful alumni and external leaders. These mentoring programs actively engage at least 10% of our female student population, ensuring meaningful participation and measurable impact. BSU continues to monitor participation and feedback and regularly expands these initiatives to increase outreach and encourage broader engagement across all disciplines, with particular focus on areas where women are underrepresented.

BSU actively monitors and analyzes graduation rates by gender to assess the likelihood of female students completing their programs compared to male students. This tracking is performed annually and includes a detailed review of course performance, retention, and progression rates. Data from the past 3 academic years showed that female students in engineering programs had a slightly lower graduation rate compared to their male counterparts. BSU implemented targeted support measures such as supplemental study workshops, peer tutoring programs, and one-on-one academic advising. In programs where female students excel but report higher levels of stress or dropout risk, BSU introduced wellness initiatives and career counseling to reduce barriers to completion. Regular reviews ensure that these measures are effective, and the results are shared with faculty and administrative staff to continuously refine support strategies, promoting equitable academic outcomes for all students.

Master class on the Topic "Combating Human Trafficking" at BSU

The psychologist of the Human Trafficking Victims Assistance Center operating under the Social Services Agency of the Ministry of Labor and Social Protection, Elnara Aliyeva, delivered a master class titled “Combating Human Trafficking” for students of the Social Work specialty at the Faculty of Social Sciences and Psychology of Baku State University (BSU). The master class was organized within the framework of the memorandum of cooperation signed between the Social Services Agency and BSU.

During the master class, students received detailed information about the notion of human trafficking victims and the activities carried out to prevent and combat human trafficking both in Azerbaijan and internationally. The psychologist also discussed the organization of social work with victims and explained the functioning of psychological intervention mechanisms and support programs.

Real-life examples were used to illustrate the significance of a multidisciplinary team approach that combines legal, psychological, and social support components. In addition, participants were informed about the shelters operating in Azerbaijan and about the rehabilitation and habilitation programs designed for victims of trafficking. At the conclusion of the session, the students’ questions were addressed and discussed.

For More Information Please Click Here

BSU Ranks in the Top 600 in the Times Higher Education Impact Rankings 2025

Baku State University (BSU) has been included among the world's top 600 universities in the 2025 Impact Rankings released by Times Higher Education (THE). In this year's ranking, the university was placed within the 401–600 band, demonstrating a significant improvement compared to its previous position in the 1001–1500 range last year.

Out of 2,318 higher education institutions assessed in the ranking, BSU achieved considerable progress by being evaluated across 15 United Nations Sustainable Development Goals (SDGs), whereas it had been assessed in only 9 goals in the preceding year. The university's total score also rose by 35%, increasing from 53.2 to 71.8, which reflects the effectiveness of the reforms and initiatives implemented in the field of sustainable development. BSU secured a place among the world's top 100 universities in four specific SDGs: SDG 1 (No Poverty), SDG 4 (Quality Education), SDG 5 (Gender Equality), and SDG 10 (Reduced Inequalities). Additionally, the university ranked in the 101–200 category for SDG 15 (Life on Land) and SDG 16 (Peace, Justice and Strong Institutions), while it was positioned within the 201–300 range for SDG 2 (Zero Hunger), SDG 6 (Clean Water and Sanitation), SDG 8 (Decent Work and Economic Growth), and SDG 14 (Life Below Water).The Times Higher Education Impact Rankings assess universities according to their contributions to social, economic, and environmental development based on the framework of the United Nations Sustainable Development Goals. BSU's advancement in the rankings reflects the university's strengthening global reputation as well as its ongoing dedication to sustainable

development, social responsibility, inclusive education, and the promotion of equal opportunities.

For More Information Please Click Here

First National Forum on "Breast cancer: Clinical and genetic approaches" held at BSU

The First National Forum on "Breast Cancer: Clinical and Genetic Approaches" is currently being held at Baku State University (BSU), organized by the Faculty of Biology in collaboration with the Student Youth Organization. The event addresses early diagnosis, clinical and genetic strategies, laboratory research, risk factors, and the promotion of multidisciplinary scientific cooperation. Huseyn Mammadov, BSU Vice-Rector, emphasized the significance of developing competitive human capital, enhancing links between science, industry, and education, and preparing specialists with interdisciplinary skills. Biology is identified as one of the university's five primary scientific priorities, supported by industry-oriented laboratories, including the International Research Laboratory of Pharmacological Microbiology.

Afat Mammadova, Dean of the Faculty of Biology, underscored that breast cancer remains a critical global health issue and stressed the necessity of collaboration among physicians, molecular biologists, and geneticists. Tamara Guliyeva, Chief Physician, highlighted Azerbaijan's advancements in breast oncology,

the worldwide prevalence of the disease, and the importance of joint efforts between oncologists and geneticists for effective care.

For More Information Please Click Here

Members of BSU Student Trade Union visit the Women and Children Shelter Rehabilitation and Reintegration Center

On the occasion of June 1 – International Children's Day, the Baku State University (BSU) Student Trade Union Committee (STUC) organized a

visit to the “House of Love” Women and Children’s Shelter Rehabilitation and Reintegration Center.
During the visit, students brought various gifts for the children, engaged in heartfelt conversations, and offered emotional support.

For More Information Please Click Here

The State Youth Policy is being successfully implemented

In 2024, Baku State University (BSU) actively fostered the involvement of students and staff in social, cultural, and public life, promoting participation in large-scale social projects and events. Collaboration with state institutions, non-governmental organizations, and public associations was strengthened, resulting in a twofold increase in joint social initiatives and hosting over 900 events covering youth policy, humanitarian issues, Azerbaijanism, national values, and the legacy of Heydar Aliyev.BSU expanded its domestic partnerships through memorandums with organizations such as Veysəloğlu Group of Companies LLC, the National Deposit Center, the Education Development Fund, the National Library of Azerbaijan, Azerbaijan Medical University, TÜRSK, and the Probation Service of the Ministry of Justice. New facilities were inaugurated, including ARB 24 TV’s "NewsLab," the Azerbaijan Press Council room, the "Turkish Room," Xalq newspaper’s "Debate Room," and a Media Development Agency auditorium.
Environmental initiatives were emphasized through the “Year of Solidarity for the Green World,” which featured over 70 events raising environmental awareness. BSU

also hosted nearly 30 activities during the COP29 conference, with 537 student volunteers receiving recognition from President Ilham Aliyev.

Special projects included “Youth Week 2,” “From Student to Schoolchild,” “COP29 Week,” the “I Young Cultural Journalists School,” a World Book Day exhibition, a Career Festival, medical campaigns, training programs in collaboration with Kapital Bank, the “Young Programmers” competition, the “Young Leaders” Forum, “BDU Volunteers’ Week,” and lectures on Heydar Aliyev’s legacy.Student organizations were highly active: the BSU Student Youth Organization organized 161 events, the Student Trade Union Committee held 126, and “BDU Volunteers” conducted 389 activities, focusing on youth policy, environmental programs, national ideology, and patriotism. BSU volunteers participated in nationwide social projects, with the “BDU Volunteers” organization growing to 1,500 members. Students also engaged in over 100 external events and more than 40 domestic and international competitions, contributing to the implementation of state youth policy goals.

For More Information Please Click Here

Exhibition at BSU: “The Identity of Uzbek Women”

A delegation from the Department of Psychology of Mirzo Ulugbek National University of Uzbekistan visited the Faculty of Social Sciences and Psychology at Baku State University (BSU). The delegation, which included Professor Dilbar Mukhamedova, Associate Professors Rukhsora Khudratullayeva and Azizakhon Turakulova, and Senior Lecturer Diyora Khodjakhulova, met with Dean Rovshan Javadov.

The visitors toured the Departments of Psychology and Social and Pedagogical Psychology, participating in academic discussions with BSU faculty, including Head

of the Psychology Department Sakhavat Aliyeva, Professors Rena Gadirova and Imdad Bayramov, Associate Professors Sevinj Guliyeva, Azer Mustafayev, Kamila Kazimova, and PhD Nigar Nasirova.

During their visit, the Uzbek delegation organized an exhibition titled “The Identity of Uzbek Women,” showcasing photographs that highlighted the achievements of Uzbek women in science, culture, and sports, as well as their unique qualities and vital role in society.

For More Information Please Click Here

10 BSU students graduate from the Supporting Education for Young Girls project

On June 23, the Graduation Day ceremony for the participants of the “Supporting Education for Young Girls” project was organized in collaboration with the State Committee for Family, Women and Children Affairs, the Ministry of Science and Education, and the Education Development Fund.

The event honored female students who were admitted to higher education institutions in 2021 with outstanding scores and who took part in programs such as the “Hanifa Malikova-Zardabi Scholarship Program for Girls’ Education,” the “You Are Not Alone” project, and the support initiative for the education of martyr wives, under the theme “Steps Towards a Confident Future.”The ceremony was attended by Leyla Aliyeva, Vice-President

of the Heydar Aliyev Foundation; Bahar Muradova, Chairperson of the State Committee for Family, Women and Children Affairs; Minister Emin Amrullayev; Elnur Nasibov, Chairperson of the Education Development Fund; members of parliament; public representatives; and students.

Among the graduates were 10 students from Baku State University: Bahar Agayeva, Milana Rustam, Gulyanaq Sariyeva, Aydan Khammadli, Aysu Ahmadli, Haqiqah Jafarova, Gozal Jabbarova, Gunel Yagubova, Nargul Ibrahimli, and Zeynab Badalova. BSU congratulates its students and wishes them continued success in all their future endeavors.

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Conference at BSU on The Preservation of Traditional Values and the Family Institution as an Important Factor in the Educational Process

Baku State University, in partnership with the State Committee for Family, Women and Children's Issues (SCFWCI), organized a conference titled "Preservation of Traditional Values and the Family Institution as an Important Factor in the Educational Process" in observance of May 15 – International Day of Families.

Bahar Muradova, Chairperson of the State Committee, emphasized that the family constitutes a fundamental pillar of society and that integrating traditional family values into educational programs is essential for sustainable societal development. She highlighted the Committee's efforts on a new "Family Concept" designed to preserve family values and national-spiritual bonds, noting that safeguarding these values is crucial for national security. Muradova also stressed the importance of collaboration among educational institutions, public organizations, academic

communities, and state bodies, recognizing BSU's potential to make a significant contribution in this area.

Elchin Babayev, Rector of BSU, underlined national-spiritual values as a cornerstone of national identity and commended the Heydar Aliyev Foundation, led by First Vice-President Mehriban Aliyeva, for its role in promoting Azerbaijani culture and traditions. He emphasized that embedding national values in schools and universities fosters students' identity, patriotism, and social responsibility, reflecting President Ilham Aliyev's vision for youth development and the nation's independence.

Other speakers, including Zahid Oruc, Mehriban Valiyeva, Aqil Shirinov, Elnur Nasibov, Vusal Goyushov, and BSU lecturer Emilia Igidova, highlighted the significance of reinforcing the family institution, promoting national-spiritual values, and incorporating them into education to guide younger generations. The conference concluded with participant proposals and interactive discussions.

For More Information Please Click Here

BSU hosts "Youth Dialogue of the Future" event dedicated to the 80th Anniversary of the United Nations

Baku State University hosted the "Youth Dialogue of the Future" event, held in honor of the 80th anniversary of the United Nations (UN). Elchin Babayev, Rector of BSU, emphasized the UN's role in promoting peace, human rights, and sustainable development, highlighting Azerbaijan's long-standing cooperation with the UN, rooted in the foreign policy of National Leader Heydar Aliyev and continued under President Ilham Aliyev. He noted that BSU actively supports this policy by involving students and young researchers in international discussions, Model UN simulations, Youth Sustainable Development Forums, and by organizing events such as the Baku Climate Science

Conference within the framework of COP29.Babayev also outlined BSU's accomplishments aligned with the UN Sustainable Development Goals (SDGs), including its placement in the 401–600 range in the 2025 Times Higher Education Impact Rankings and its inclusion in the QS Sustainability 2025 global Top 1000. The university's green campus initiatives, such as "EcoSpace," "Student Space," and the "EcoEnergy" station, along with climate diplomacy and social inclusion research, underscore BSU's commitment to sustainable development in collaboration with the UN Resident Coordinator's Office in Azerbaijan.Vladanka Andreeva, UN Resident Coordinator, praised BSU for organizing the event and highlighted the essential role of youth, universities, and communities in implementing the SDGs, which address challenges such as climate change, green energy, poverty, education, and healthcare.

Huseyn Huseynov, Economic Advisor to the Minister of Economy, discussed global socio-economic and environmental challenges and emphasized Azerbaijan's integration of the SDGs since 2016. The event featured a panel discussion titled "Green Transition, Education, and Health for a Sustainable Future," moderated by Rashad Huseynov. Panelists Nigar Arpadarai, Hande Harmancı, Firuza Sultan-zade, and Gunel Hajaliyeva discussed the effects of climate change, the importance of youth-driven climate solutions, and the "One Health" approach integrating multiple SDGs. The event concluded with a Q&A session with students, highlighting the critical role of youth engagement in sustainable development and climate action.

For More Information Please Click Here

A event titled The role of women in science has been held at BSU

On March 27, the Faculty of Philology at Baku State University (BSU) organized a conference titled “The Role of Women in Science”, arranged by the Student Scientific Society in celebration of Science Day in Azerbaijan. The event brought together faculty members and students.

A video presentation showcasing Azerbaijani female scholars was screened, followed by presentations from Professor Yegana Ismayilova (Department of Azerbaijani Literature History), Professor Zemfira Shahbazova (Department of Azerbaijani Linguistics), Associate Professor Gızılgül Abdullayeva (Department of Turkology), and Associate Professor Həqiqət Abdıyeva (Department of Azerbaijani Literature History). They highlighted the notable contributions of Azerbaijani women to science and education, particularly in the field of philology, while sharing their professional, pedagogical, and personal experiences with the students.

The conference concluded with an interactive discussion, providing participants an opportunity to further engage with the topic.

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BSU graduate to pursue master's degree at prestigious South Korean University

Shehla Hamidova, one of the first graduates of the "Biotechnology" program at the Faculty of Biology, Baku State University (BSU), has been accepted into the master's program in "Public Health (Community Health and Social Epidemiology)" at Korea University, one of South Korea's leading higher education institutions.

Shehla was awarded the Global Korea Scholarship (GKS), a highly competitive international full scholarship. From more than 100 applicants, only five were selected. The GKS covers tuition for four semesters, a monthly stipend of approximately 1,260 AZN, health insurance, travel expenses, and visa support.

Korea University is ranked 61st worldwide in the QS World University Rankings 2026. Shehla completed her undergraduate studies with a GPA of 92.32 and demonstrates proficiency in English and Korean at the C1 level.

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BSU Student Khadija Zeynalova Becomes European Champion in Capoeira

Khadija Zeynalova, a student at the Faculty of Biology of Baku State University (BSU), won the title of European Champion in the "Amadora Feminino" category at the "Bimba Open Europe" international capoeira tournament held in Munich, Germany.Previously, she earned a bronze medal at the European Capoeira Championship in Budapest, Hungary, in June 2024, and a silver medal in the "Professional Girls" category at the Solo Capoeira Baku Tournament held in October in Baku.We congratulate our student and wish her continued success in all her future endeavors!

For More Information Please Click Here

BSU advisor delivers training at International Summer Camp “A step towards Sustainable Development” in Guba

From August 3–9, 2025, the Ministry of Youth and Sports of Azerbaijan, together with the Azerbaijan Sport Academy (ASA), organized the international summer camp “A Step Towards Sustainable Development” at the Quba Olympic Sports Complex.

Baku State University (BSU) was represented by students and Asiman Ilyasov, BSU’s Advisor to the Rector on Quality Policy, who participated as a guest speaker and trainer. He led sessions on the Sustainable Development Goals, healthy lifestyles, gender equality, sports and well-being, and strategies to address global challenges.

The week-long camp brought together young people from Türkiye, Kazakhstan, Kyrgyzstan, and Azerbaijan. The program included lectures, group work, and discussions aimed at enhancing knowledge, teamwork, and cross-cultural understanding. Cultural evenings, inter-team sports competitions, and excursions to Quba’s historical and cultural sites gave participants the opportunity to showcase national traditions and strengthen collaboration among Turkic-speaking countries.The camp concluded with a certificate ceremony, with organizers highlighting their commitment to continue hosting such events to inspire and empower young leaders.

For More Information Please Click Here

Awareness event on Gender Equality held at BSU

An awareness event titled “Broken Silence”, focused on gender equality and the prevention of domestic violence, was held at Baku State University (BSU), jointly organized by the Faculty of Geography and the Student Youth Organization.Opening the event, Zehra Yusubova, Chair of the Student Youth Organization for the Faculty of Geography, emphasized that violence is not solely an individual issue but a broader social problem that adversely impacts societal development. She underlined the importance of openly addressing the topic, noting that giving a voice to those who remain silent is a key objective of such initiatives.

The program included an interactive dialogue among students, focusing on misconceptions about gender equality, the psychological and social consequences of domestic violence, and access to available support services. The discussion provided a platform for sharing perspectives and raising awareness.The event concluded with a “Message Game” activity, in

which participants wrote short motivational messages promoting equality, empathy, and the rejection of violence, passing them to one another. This symbolic exercise served as a meaningful expression of solidarity and support.

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"PASHA Holding" conducts a training session for BSU students

A training session titled "Relations with Government Institutions and Corporate Social Responsibility" was held for students of the Faculty of International Relations and Economics at Baku State University (BSU), conducted by Bayim Ibrahimova, an employee of "PASHA Holding" LLC. The event was organized by BSU's Career and Alumni Center.

During the session, the trainer explained that Corporate Social Responsibility (CSR) is a business model that promotes responsible behavior toward the company, its stakeholders, and society at large, while contributing to sustainable development. Companies adopting this approach are mindful of their positive impact across different societal sectors. CSR extends beyond legal obligations and involves initiatives aimed at enhancing the overall welfare of the community.

Bayim Ibrahimova provided detailed explanations of various CSR models — economic, environmental, ethical, and philanthropic responsibilities — and outlined the main goals of CSR within a company: strengthening the brand image, expanding the customer base, attracting skilled professionals, and encouraging innovation. She also discussed CSR strategies, international best practices, collaboration with government institutions, and key departmental focus areas such as support for education, healthcare, environmental protection, community welfare, and women's empowerment.

For More Information Please Click Here

The psychologist of the Psychological Assistance Sector of BSU conducted a training session at the Hedef Lyceum

İlkana Mensumova, psychologist of the Psychological Assistance Sector at Baku State University (BSU), conducted a training session for teachers and parents of the "Hedef" Lyceum as part of the "Analar Liseydə" project, focusing on **"**The Role of Parenting Styles in Child Development."During the session, the psychologist introduced parents to the concept of "parenting styles," explaining that it is a psychological term describing the behaviors and educational approaches parents adopt toward their children. She highlighted how these styles significantly affect a child's development, personality formation, and social skills. The four main parenting styles — authoritarian, democratic, permissive, and neglectful — were explained in detail, including their characteristics and the positive and negative impacts each style can have on the child's personality, supported by concrete examples.

The training also addressed ways to establish strong parent-child relationships and emphasized their importance. A discussion followed on parents' role in the psychosocial development of children and how parental behaviors influence emotional stability and the growth of social skills.

For More Information Please Click Here

An event dedicated to International Women Day was held at BSU

On March 8, Baku State University (BSU) organized an event in celebration of International Women's Day.

Alish Aghamirzayev, Vice-Rector for Social Affairs, Student Affairs, and Public Relations, congratulated the university's female staff and students, highlighting that Azerbaijan was the first country in the East to grant women the right to vote and be elected. He emphasized the historical activism of Azerbaijani women, their contributions to socio-political and cultural life, and their achievements in literature, science, art, and politics. Aghamirzayev also noted that women constitute approximately 70% of BSU students and 65% of its staff, whose scientific and pedagogical contributions are crucial to the university's leading role in education and research.

Speakers at the event, including Alakbar Aliyev, Dean of the Faculty of Applied Mathematics and Cybernetics; Egyptian doctoral student Ehab Mohammed Jaber; and third-year History student Ali Alakbarli, discussed the respect, support, and opportunities available to women in Azerbaijan, as well as their role in representing the country internationally.The program concluded with an artistic performance organized by BSU's Cultural and Creative Center.

For More Information Please Click Here

BSU concludes “Open Day” events for prospective students

The “Open Day” events organized by “BSU Volunteers” at Baku State University (BSU) have successfully concluded.Held from July 28 to August 8, the “Open Days” attracted a total of 1,259 prospective students (803 female and 456 male).

Among the participants, 448 applicants scored 200–400 points on the entrance exams**,** 649 scored 400–600, and 162 scored 600 or above**.**As part of the program, BSU staff conducted informational sessions for applicants and addressed their questions regarding program selection. Daily sessions and campus tours provided participants with detailed insights into the university’s academic offerings, social activities, and educational opportunities available to students.

For More Information Please Click Here

23 BSU students become winners of the “Hanifa Malikova-Zardabi Scholarship Program 2025”

The presentation ceremony of the “Hanifa Malikova-Zardabi Scholarship Program 2025” was held as part of the “Supporting the Education of Young Girls” project, jointly organized by the State Committee for Family, Women and Children Affairs, the Ministry of Science and Education, and the Education Development Fund.This academic year, 93 female students are receiving support from the scholarship program, including 23 students from Baku State University (BSU).

During the ceremony, 23 BSU students who were awarded the monthly scholarship—having also achieved high scores in university entrance exams—were honored: Aysevər Baghirova, Zəminə Nurəliyeva, Fatimə Akhundzade, Nəzrin Saadova, Leyla Abdullayeva, Aytən Huseynli, Zeynəb Aliyeva, Aytac Karimli, Sənubər Mammadova, Aysu Akhundova, Ayşə Mehrəliyeva, Duyğu Asgarli, Mələk Shoyubova, Aylin Guliyeva, Aliyə Asgarova, Fidan Agasiyeva, Ağabikə Israfilova, Nuray Muradli, Tamam Abbasli, Elay Karimli, Ünzülə Manafli, Türkan Ibrahimova, and Aytac Pashayeva.

It should be noted that since its launch in 2021, the scholarship program has aimed to raise public awareness of girls’ education (promoting equal and inclusive learning opportunities), support gender equality by empowering young women and enhancing their role in society, and ensure access to modern educational resources to foster academic and professional development.

For More Information Please Click Here

The Career and Alumni Affairs Center of BSU has launched the Meet the Alumni project

The Career and Alumni Affairs Center of Baku State University (BSU) launched **the** "Meet the Alumni" project to connect students with graduates and provide insights from their experiences.On March 8, International Women's Day, the project hosted an event for female students titled "The Role of Women in the Labor Market." Aliş Ağamirzəyev, Vice-Rector for Social Affairs, Student Affairs, and Public Relations, congratulated the attendees and emphasized the state's priority of enhancing women's participation and employment opportunities. He also noted that BSU has trained over 200,000 specialists, with women playing a central role.

Günel Qurbanova, Head of the Career Planning Department, highlighted the event's focus on women's professional growth and societal contributions. BSU alumni shared their experiences across various sectors: Nazənin Hüseynova, Head of the Civil and Commercial Affairs Sector at the Supreme Court, spoke on "Women in the Legal and Law Enforcement System"**;** Şəbnəm Hümbətova, Head of Marketing at Irşad Electronics, discussed **"**Women in the Marketing Sector"; and Günay Vəlibəyli, Program Developer at the Innovation and Digital Development Agency, presented on **"**Women in the Technology Sector." They shared their personal and professional journeys, challenges they encountered, and advice for students.The event concluded with a discussion on women's roles in the labor market and the importance of gender equality.

For More Information Please Click Here

The women table tennis team of BSU has won first place

The table tennis competition for students, held as part of “Sports Week” at the “Shua” Sports Complex and organized by the Ministry of Youth and Sports in collaboration with the Table Tennis Federation, has successfully concluded.In the women’s category, the team from Baku State University (BSU) claimed first place.The teams from Azerbaijan State University of Economics and Azerbaijan State Academy of Physical Education and Sports secured second and third places, respectively.We congratulate our team and wish them continued success in future competitions!

For more information please click here

Seminar on “Gender-sensitive approach in media: Practical tools for journalists” held

A seminar titled “Gender-Sensitive Approach in Media: Practical Tools for Journalists” was held at the Faculty of Journalism of Baku State University (BSU), organized by the Student Youth Organization (TGT). The session was led by journalist Mədinə İlham, who provided participants with practical strategies for promoting gender equality in media, preventing gender stereotypes, and implementing gender-sensitive practices in everyday journalistic work.During the seminar, attendees discussed topics such as the use of gender-sensitive language, maintaining balance in news production, selection of sources, visual representation of gender, and ethical principles in reporting. Real media examples and interactive exercises were used to enhance understanding and practical application.

For More Information Please Click Here

Conclusion

In conclusion, the initiatives undertaken by Baku State University demonstrate a strong institutional commitment to advancing **Sustainable Development Goal 5: Gender Equality**. Through comprehensive policies promoting equality, diversity, and inclusion, the university has established a supportive academic environment that empowers female students and ensures equal opportunities in education and professional development. The implementation of mentoring and coaching programs, leadership initiatives, and targeted academic support mechanisms reflects a strategic approach to strengthening women's participation and success across various fields of study.

Furthermore, BSU's continuous monitoring of gender-based data, including graduation rates and academic progress, enables the institution to identify potential disparities and implement evidence-based interventions. Collaborative activities with governmental institutions and social organizations, as well as educational programs addressing issues such as discrimination and human trafficking, further reinforce the university's role in promoting gender awareness and social responsibility.

Overall, the combination of policy frameworks, mentorship initiatives, data-driven monitoring, and educational activities illustrates BSU's proactive efforts to foster an inclusive academic community. By continuing to expand these initiatives and strengthening partnerships, the university contributes meaningfully to the promotion of gender equality, the empowerment of women and girls, and the broader realization of sustainable development objectives within higher education and society.

SDG Focused Memberships

CANIE
climate action network

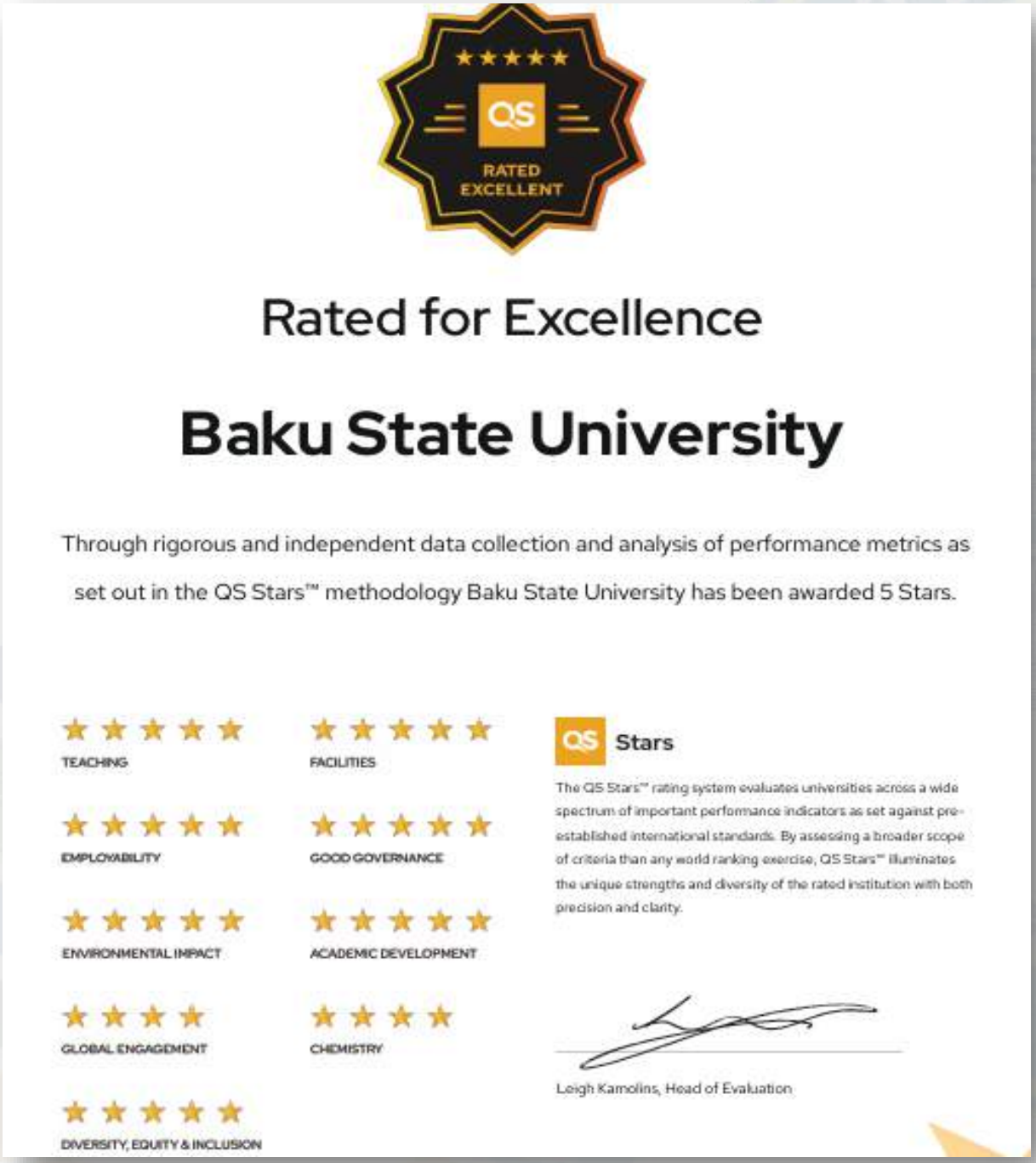
aashe member
The Association for the Advancement of Sustainability in Higher Education

ISCN
International Sustainable Campus Network

WAITRO

GUNI
GLOBAL UNIVERSITY NETWORK FOR INNOVATION

SDG Focused Ranking Results



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ENVIRONMENTAL IMPACT ★★★★★

ACADEMIC DEVELOPMENT ★★★★★

GLOBAL ENGAGEMENT ★★★★

CHEMISTRY ★★★★

DIVERSITY, EQUITY & INCLUSION ★★★★★

QS Stars

The QS Stars™ rating system evaluates universities across a wide spectrum of important performance indicators as set against pre-established international standards. By assessing a broader scope of criteria than any world ranking exercise, QS Stars™ illuminates the unique strengths and diversity of the rated institution with both precision and clarity.

Leigh Kamolins, Head of Evaluation

UI GreenMetric
UNIVERSITAS INDONESIA
UI GreenMetric World University Rankings 2025
CERTIFICATE
This certificate is awarded to
Baku State University
as The 493rd World's Most Sustainable University
in 2025 UI GreenMetric World University Rankings
5 December 2025
Dr. Vishnu Juwono, S.E., MIA
Chairperson of UI GreenMetric

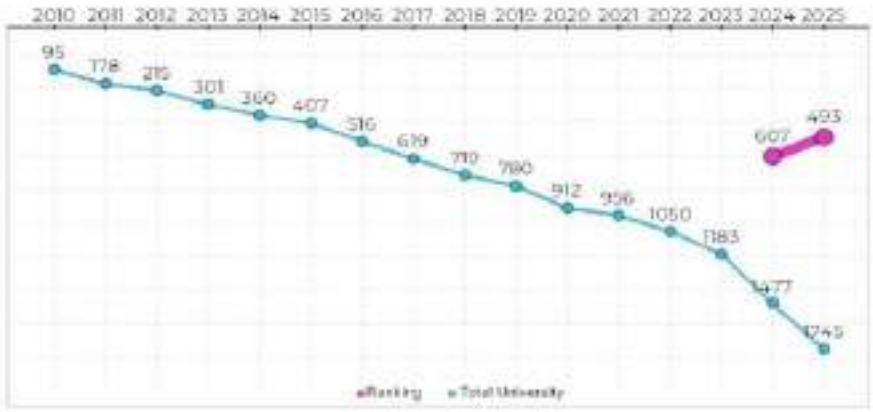
4. RANKING IN AZERBAIJAN

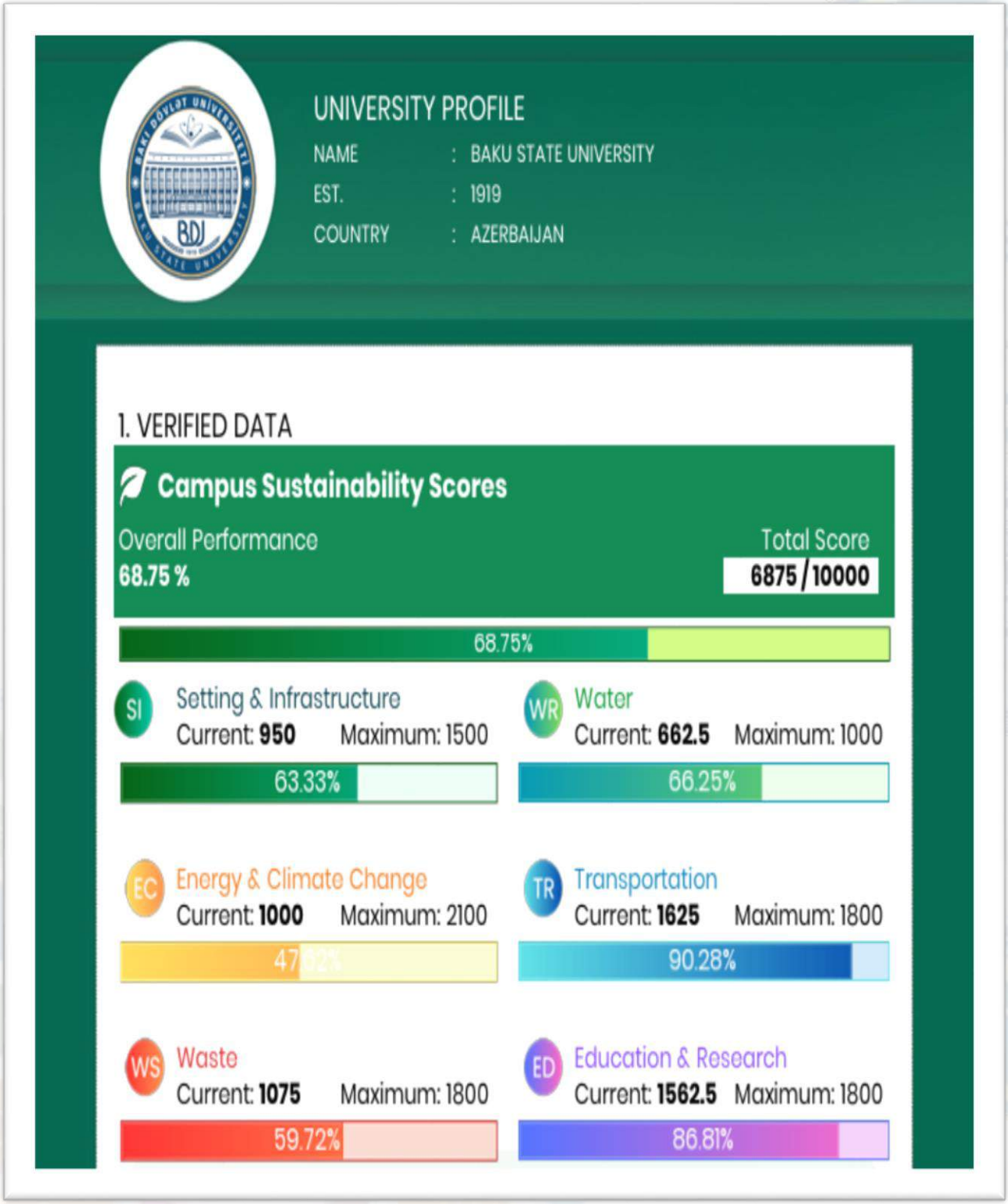
Country Ranking	SI Ranking	EC Ranking	WS Ranking
1	2	11	3
	WR Ranking	**TR Ranking**	**ED Ranking**
	5	1	2

2. RESULTS SUMMARY

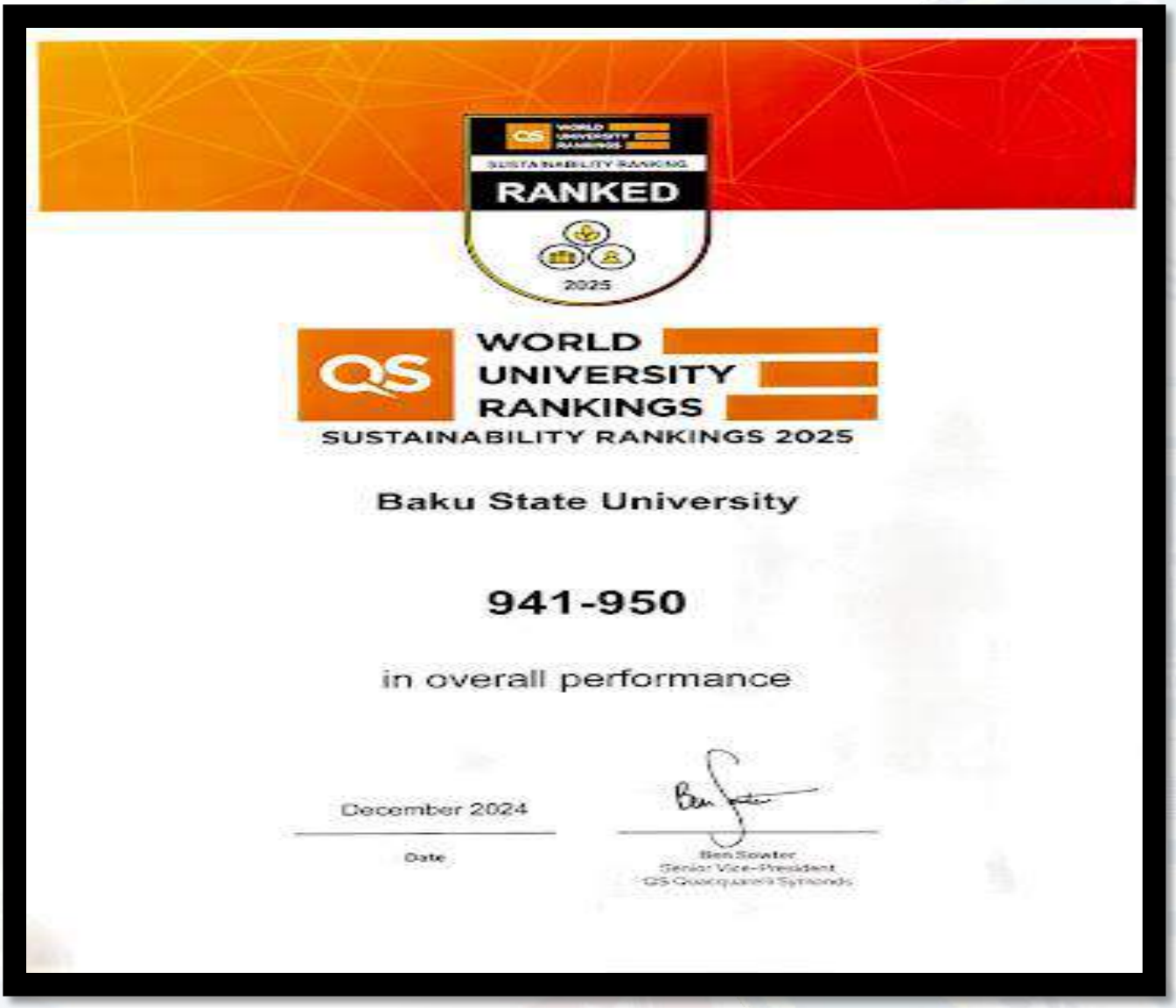
World Ranking	SI Ranking	EC Ranking	WS Ranking
493	660	1102	654
	WR Ranking	**TR Ranking**	**ED Ranking**
	607	98	239

3. WORLD RANKINGS HISTORY

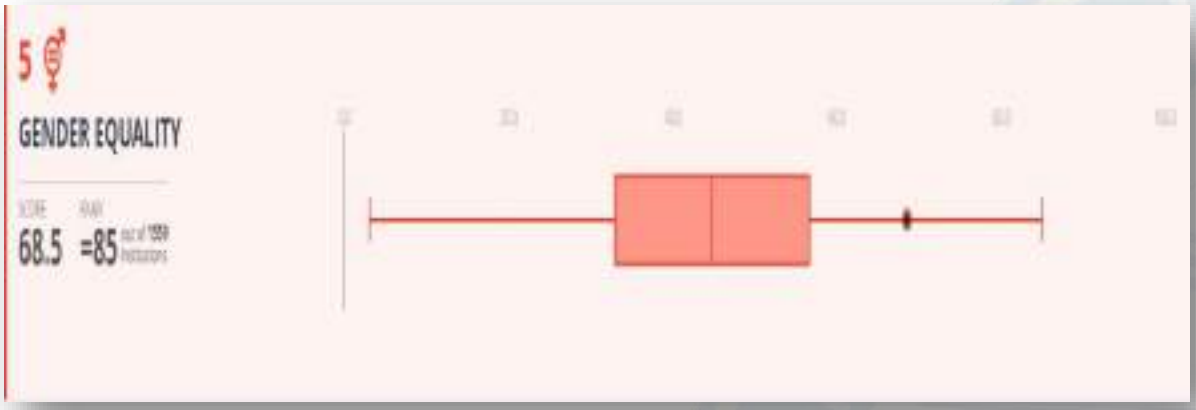


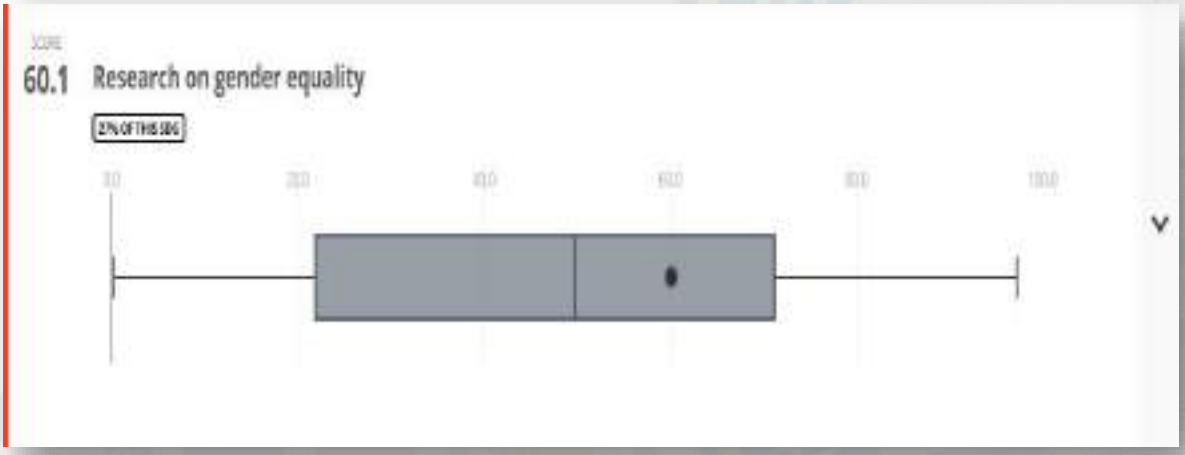

UNIVERSITY PROFILE
NAME : BAKU STATE UNIVERSITY
EST. : 1919
COUNTRY : AZERBAIJAN
1. VERIFIED DATA
Campus Sustainability Scores
Overall Performance
68.75 %
Total Score
6875/10000
68.75%
SI
Setting & Infrastructure
Current: 950 Maximum: 1500
63.33%
WR
Water
Current: 662.5 Maximum: 1000
66.25%
EC
Energy & Climate Change
Current: 1000 Maximum: 2100
TR
Transportation
Current: 1625 Maximum: 1800
90.28%
WS
Waste
Current: 1075 Maximum: 1800
59.72%
ED
Education & Research
Current: 1562.5 Maximum: 1800
86.81%

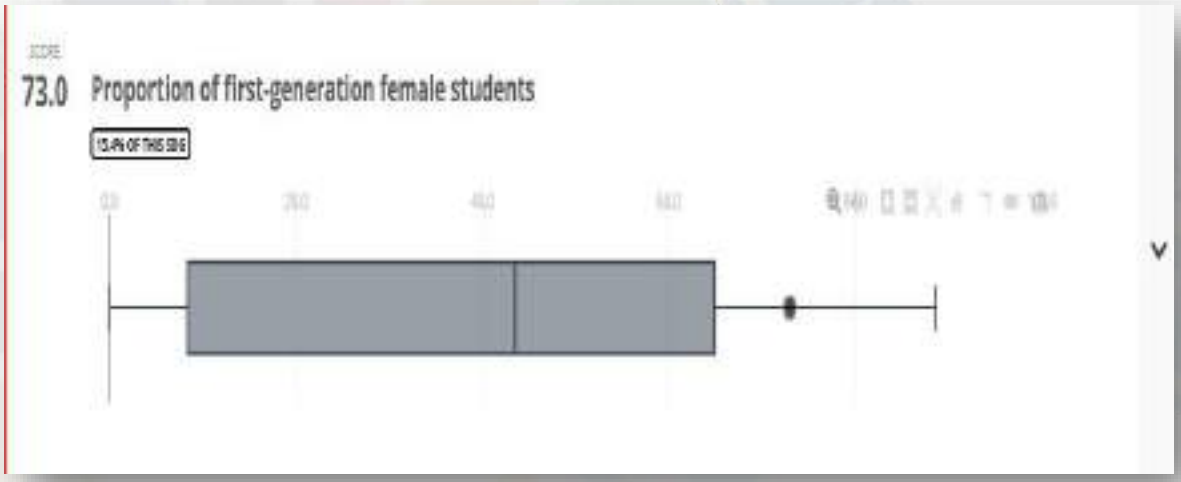
THE IMPACT RANKINGS


RANKED
2025
QS WORLD UNIVERSITY RANKINGS
SUSTAINABILITY RANKINGS 2025
Baku State University
941-950
in overall performance
December 2024
Date
Ben Sowter
Senior Vice-President

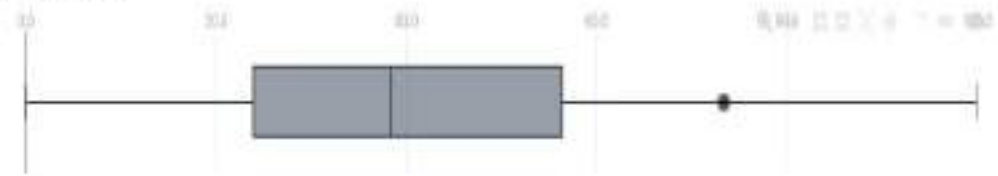
THE IMPACT RANKINGS
OVERALL RANK
401–600
out of 2318 institutions


5
GENDER EQUALITY
68.5
=85


60.1
Research on gender equality

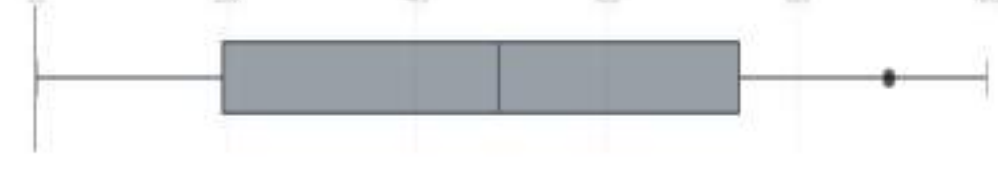

73.0
Proportion of first-generation female students

73.4 Student access measures

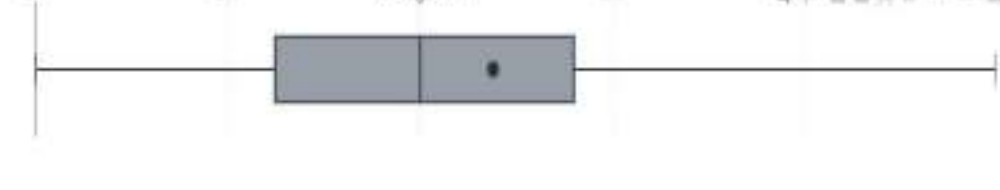


78.7 Proportion of senior female academics

89.6 Proportion of women receiving degrees



47.6 Women's progress measures



SDG Focused Research

Introduction:

Baku State University (BSU) is actively contributing to **SDG 5: Gender Equality** by combining research, policy initiatives, and partnerships that promote equal opportunities for women and men. With women making up nearly two-thirds of its graduates, BSU not only monitors gender-related data but also develops action plans to address disparities across faculties. Since 2018, the university's Department of Gender and Applied Psychology has been piloting a mentoring program for female students, now being expanded institution wide. These efforts are reinforced through collaborations with government bodies, NGOs, and international organizations such as UNDP and UNFPA, aligning BSU's work with both national legislation and global standards. By embedding SDG 5 into its strategic vision, BSU is positioning itself as a driver of gender equality in Azerbaijan's higher education sector.

All SDGs related articles please visit:
https://www.scopus.com/pages/organization/60071969#tab=sdgs

1. Authors: Aliyeva L.A., Latifova S.

Focus: Influence of Islamic law and local traditions on women's status in medieval Azerbaijan.

Methods: Historical, cultural anthropology, and gender studies approach.

Findings: Shaped a model of womanhood still influencing modern gender norms.

Recommendation: Highlights the need for deeper interdisciplinary research on Azerbaijan's gender history.

Full text

2. Authors: Almazova O.V., Azimzade A.A., Gavrilova M.N., Babayev M.A.

Focus: Parenting values among rural Azerbaijani mothers.

Methods: Survey of 411 mothers.

Findings:

- Prioritize motherhood over careers.
- Trust family/experts for advice.
- Value patriotism, respect, education.
- Emphasize obedience, exploration, early communication.
- Limited knowledge of child development.

Recommendation: Strengthen parental education on child development.

Full text

3. Authors: Ledesma J.R., Ma J., Vongpradith A., Frank T.D., García-Basteiro A.L.

Focus: Gender differences in tuberculosis (TB) burden.

Methods: Global TB data (2019).

Findings:

- Men without HIV → higher TB cases/deaths.
- Women with HIV → higher TB cases/deaths.
- Risk factors: smoking/alcohol (men), unsafe sex (women with HIV).

Recommendation: Improve TB diagnosis/treatment for men and address HIV-related TB in women.

Full text

4. Authors: Aliyeva Lala A.

Focus: Gender roles in the Caucasus (past 30 years).

Methods: Literature review, socio-political analysis.

Findings: Men as breadwinners/decision-makers, women as caregivers → limits women's careers and political participation.

Recommendation: Support policies to balance domestic and public roles.

Full text

5. Authors: Frank T.D., Carter A.R., Jahagirdar D., Duken E.E., Duko B.

Focus: Global HIV/AIDS trends (1980–2017, forecasts to 2030).

Methods: Data from 195 countries, trend analysis.

Findings:

- HIV mortality peaked 2006, incidence 1999.
- Prevalence ↑ due to ART scale-up.
- Southern Africa highest prevalence.
- Many countries not on track for UNAIDS targets.

Recommendation: Expand ART and prevention programs.

Full text

6. Authors: Stanaway J.D., Parisi A., Sarkar K., Murray C.J.L., Crump J.A.

Focus: Global burden of invasive non-typhoidal salmonella.

Methods: Epidemiological estimates (2017).

Findings:

- 535,000 cases, 77,500 deaths.
- Highest incidence in sub-Saharan Africa.
- Children <5, elderly, HIV+ most at risk.

Recommendation: Better surveillance and preventive measures.

Full text

7. Authors: Nkedianye D.K., Ogutu J.O., Said M.Y., Van Gardingen P.R., Reid R.S.

Focus: Livestock inequality among Maasai households (Kenya & Tanzania).

Methods: Field surveys, socio-economic analysis.
Findings:

- Men own more livestock than women.
- Inequality + reduced mobility threaten climate resilience.

  Recommendation: Policies to ensure equitable livestock access.

  Full text

8. Authors: Özsoy B.

Focus: Women's status in Central Asia & Caucasus after USSR collapse.
Methods: National data + global reports (2015).
Findings: Crises reshaped women's roles; mix of old and new gender influences.
Recommendation: Stronger gender equality policies in post-Soviet states.

Full text

9. Authors: Mollaeva E.A.

Focus: Impact of gender stereotypes on education/opportunities.
Methods: Theoretical analysis, case studies.
Findings: Stereotypes hinder women's development, especially in developing countries.
Recommendation: Anti-discrimination laws + education/media reforms.

Full text

10. Authors: Aliyeva B.A.

Focus: Son preference & sex-selective abortion in Azerbaijan.
Methods: Legal analysis, demographic trends.
Findings:

- Normal sex ratio until early 1990s.
- Later skewed due to son preference, declining fertility, sex-determination technologies.

  Recommendation: Strengthen legal & policy responses against sex-selective abortion.

  Full text

11. Authors: Aryana M.

Focus: Gender, self-esteem, and aggression among students.
Methods: Survey of 343 students.
Findings:

- Girls slightly higher self-esteem (NS).
- Boys significantly more aggressive.
- Self-esteem varies by study field; aggression does not.

Recommendation: Address aggression through gender-sensitive education.

Full text

12. Authors: Magno C.S., Silova I.

Focus: Gender equity in post-socialist education.
Methods: Review of textbooks, curricula, teacher attitudes (1990s).
Findings: Gender-neutral approaches → reinforced stereotypes.
Recommendation: Adopt gender-sensitive reforms in education.

Full text

Baku State University

2025 REPORT ON

6 CLEAN WATER AND SANITATION

INTRODUCTION

This report presents an overview of the measures undertaken by our university to support Sustainable Development Goal 6 (Clean Water and Sanitation) in the context of water resource management and conservation. Through a comprehensive questionnaire, the university's policies, operational practices, and planned initiatives have been systematically assessed.

The findings indicate that the university adopts a rigorous and structured approach to water consumption management. The total volume of water usage is carefully monitored through the installation of water meters across campus facilities, enabling accurate monthly measurement and data-driven decision-making. This monitoring system allows the institution to identify consumption trends, detect potential inefficiencies, and implement corrective measures where necessary.

In addition, the university has implemented wastewater treatment processes that allow treated water to be reused for plant irrigation. Sustainable landscaping practices further strengthen these efforts, including the use of drought-tolerant plant species, drip irrigation systems, and optimized watering schedules to minimize water loss. These strategies significantly reduce potable water demand and contribute to long-term resource conservation.

Although the university is currently in the early stages of formalizing a comprehensive water reuse policy, progress is being made toward developing a structured framework that integrates reuse principles into campus operations. This includes exploring greywater recycling systems and expanding treated wastewater applications.

Beyond campus operations, the university plays an active role in community engagement and education related to water management and sustainability. It regularly organizes seminars, workshops, and conferences aimed at raising awareness of responsible water use and innovative conservation techniques. Furthermore, the institution collaborates with local, national, and international organizations to promote research, knowledge exchange, and joint initiatives aligned with global sustainability objectives.

While the university is in the early stages of developing a policy for water reuse, it is actively involved in community education initiatives related to water management. These include seminars, conferences, and collaborations with local, national, and international organizations.

The report underscores the university's efforts to promote conscious water usage both on-campus and in the wider community with informative posters and academic research. Additionally, it discusses the involvement of the university's leadership in the intergovernmental Hydrological Program (IHP) National Committee of Azerbaijan, demonstrating the institution's commitment to water security at a national level.

In conclusion, this report demonstrates our university's commitment to sustainability, water conservation, and community engagement in the context of SDG 6. While the institution has made significant strides in addressing water-related challenges, there remains room for further improvement and the implementation of more robust policies and practices to ensure clean water and sanitation for all.

SDG 6. CLEAN WATER AND SANITATION

The source of drinking water used in Baku State University (hereafter-BSU) belongs to the Jeyranbatan reservoir. This water must meet certain standards/ is properly cleaned and fed into the public water supply. However, the water is not suitable for drinking directly from the tap. At the same time, water contains soil

particles of various sizes. Accordingly, the water passes through filters that perform mechanical cleaning before entering the university's water reservoirs. In the rooms, filters are placed to bring the water directly from the tap to a clean state. In addition, there are water meters inside the university, which measure the monthly water consumption.

Currently, steps are being taken to clean water waste and use it for watering plants. Irrigation of plants causes more water scarcity especially in summer months. Due to the small amount of rainfall during the summer months, it is not possible to use rainwater harvesting to irrigate plant growth. Accordingly, it is considered that water waste will be cleaned and reused for plant irrigation.

Although the level of groundwater in the place where the university is located is high, it cannot be directly used because it is salty water. However, for about 50 years, it was used to drink water from the artesian well available inside it. In the next period, it is planned to install cleaning devices and filters inside it.

Rainwater harvesting system is available. so that rainwater flows from the roof to the pipes. The pipes are connected to the water reservoirs at the end. The plants are watered with the water collected in the water reservoirs. In addition, in order to prevent excessive water wastage, sensor taps are used in toilets. It is planned to use regulating devices to reduce the water pressure.

There are 2,500 trees and 1,000 m of bushes in the campus area of the university. Drought-tolerant plants dominate, Eldar tree, plane tree, olive tree, mulberry tree, saphora tree, blueberry, etc. Along with woody plants, shrub plants are also drought tolerant. Some of the other trees are drought tolerant. In the place where the university is located, the ground water is not very deep, as a result, the plants that are resistant to

suction are also fed by ground water. Despite these mentioned facts, it is currently planned to use the drip irrigation method to reduce the water consumption for watering the plants.

However, investigation is being carried out in the direction of to maximize water reuse across the university. The installation of devices for the reuse of used water and the implementation of the cleaning process in accordance with it are considered.

There are posters in the university area about conscious water usage. These posters promote sustainable management of water resources.

Selective water disposal options in closet, as well as motion sensor faucets are used in WCs to prevent excess water usage. Additionally, academic staff of the university published the related articles:

1. Bayramov G. Jafarova N.M Samadova A.A. Methods of analysis of harmful substances in the industrial waste water prwastewaterhe oil industry
2. E.M.Gadirova, S.R.Hajiyeva, R.Y.Mammadov, G.I.Bayramov, U.N.Rustamova, N.M.Jafarova. Determination of toxic organic compounds in waste waters
3. 3.S.R.Hacıyeva, N.T.Shamilov, N.M.Cəfərova N.M.Rrakida. "Development of an Ecologically Friendly method for the chemical treatment of industrial wastewater generated in the oil industry"
4. S.Hajieva, T.Aliyeva, M.Yusifova. The ecological state of Boyuk Shor lake of Azerbaijan.
5. M.Yusifova ,S.G.Jafarova, G.R.Sariyeva, A.Sh.Abbasov. Environmental characteristics of biodiversity of Binagadi Kir Lake

At BSU, the total volume of water used across the university campus is systematically measured and monitored through the Baku City Water Network (Azersu OJSC) for whole university. All academic buildings, laboratories, dormitories, and administrative facilities are connected to the municipal mains supply, and water consumption data are recorded using officially installed digital meters managed by Azersu.

BSU does not use desalinated water, nor does it extract water directly from rivers, lakes, or aquifers. The entire water supply for the university originates from the municipal mains system, which sources treated potable water from centralized reservoirs and water treatment plants operated by the city's utility authority.

BSU uses an independent on-site wastewater treatment facility. Additionally, all wastewater generated on campus - including from academic buildings, laboratories, dormitories, and administrative areas - is collected and directed to the central municipal sewage system, which is managed by Azersu OJSC, the national water and wastewater authority.

Through this system, all wastewater from BSU is transported to city-level treatment plants, where it undergoes mechanical and biological purification in compliance with national environmental and public health standards before being safely discharged or reused for non-potable purposes.

Within the university, BSU's Facilities and Maintenance Department ensures that wastewater is properly channeled into the municipal system, preventing contamination risks. In addition, the university promotes responsible chemical and laboratory waste management - all hazardous or chemical waste is pre-treated or neutralized at source under safety protocols before disposal, ensuring environmental compliance.

BSU is also developing a sustainability action plan that includes exploring options for on-site greywater reuse and rainwater harvesting for landscape irrigation in the coming years.

BSU has established clear processes to prevent polluted water from entering the water system, including measures to manage potential pollution caused by accidents or laboratory incidents.

All wastewater from BSU facilities is directed into the municipal sewage network managed by Azersu OJSC, ensuring that only treated water reaches the environment. Within the university, the Facilities and Maintenance Department and the Occupational Safety and Environmental Protection Unit closely monitor drainage systems to prevent accidental discharges.

BSU laboratories follow strict chemical waste management protocols - all chemical residues and potentially hazardous liquids are neutralized, stored separately, and collected by certified waste handlers. Regular staff training and emergency response drills are conducted to handle any accidental spills safely.

In addition, BSU's Green University initiative promotes environmental safety and pollution prevention, reinforcing the university's commitment to protecting water quality and maintaining full compliance with national environmental and safety regulations.

For previous year's report please see:

REPORT ON SDG 6: CLEAN WATER AND SANITATION

Current situation

BSU provides free and accessible drinking water for students, staff, and visitors throughout its campus. Drinking water fountains and dispensers are available in multiple locations, including:

Main academic building (Faculty of Law and Faculty of History) - water dispensers are installed on each floor for students and staff.

Faculty of Chemistry and Faculty of Biology buildings - purified water stations are maintained near laboratory entrances to ensure safe hydration and support hygiene standards.

Library and central administrative building - modern drinking fountains are available in the lobby areas for both visitors and university personnel.

Student canteen and dormitory areas - equipped with large-capacity water coolers and refill stations providing cold and hot filtered water.

The university's Facilities and Maintenance Department conducts regular checks and maintenance of these systems to ensure water quality and safety, aligning with Sustainable Development Goal 6 (Clean Water and Sanitation) and the university's commitment to healthy campus infrastructure.

BSU applies national and international building standards aimed at minimising water use in its facilities. During the construction, renovation, and maintenance of campus buildings, the university adheres to the following standards and practices:

Azerbaijani national construction norms (AzDTN and SNIP standards) - These include water-efficient plumbing and drainage requirements to reduce water waste in public and academic buildings.

Integration of water-saving fixtures, such as low-flow taps, dual-flush toilets, and sensor-based faucets, particularly in newly renovated facilities (e.g., Faculty of Physics and Faculty of Law buildings).

Landscape irrigation systems are designed to use water efficiently, with regulated watering schedules and use of drought-tolerant plants in green areas.

Rainwater drainage systems are installed in some areas to prevent runoff and to support sustainable water management on campus.

These efforts reflect the university's commitment to sustainable infrastructure development and compliance with environmental efficiency principles consistent with SDG 6 (Clean Water and Sanitation) and SDG 11 (Sustainable Cities and Communities).

BSU actively implements landscape planning practices designed to minimise water usage across its campus. The university's Green Campus and Environmental Management initiatives promote sustainable landscaping through the following measures:

Use of drought-tolerant and native plant species such as juniper, oleander, lavender, and various local grasses that require minimal irrigation and adapt well to Baku's semi-arid climate.

Efficient irrigation systems, including drip irrigation and timed watering schedules, to reduce water consumption and prevent waste.

Soil mulching and ground cover techniques are applied in green areas to retain soil moisture and reduce evaporation.

Campus renovation projects (for example, around the Faculty of Ecology and Faculty of Geography buildings) integrate low-water landscaping designs and native vegetation in courtyards and walkways.

These practices ensure that BSU's campus landscaping remains environmentally sustainable, supports water conservation, and aligns with the goals of SDG 6 (Clean Water and Sanitation) and SDG 15 (Life on Land).

BSU has adopted measures and policies aimed at maximising water reuse and promoting efficient water management across the campus. Through its Environmental Sustainability Policy and Green Campus Action Plan, the university encourages the reuse and recycling of water wherever feasible. Key practices include:

Reuse of laboratory process water after filtration and treatment in selected departments such as the Faculty of Chemistry and Faculty of Biology, where systems allow partial recycling of non-contaminated cooling and cleaning water.

Rainwater collection systems installed in several campus areas, with captured water used for irrigating green spaces and cleaning outdoor surfaces.

Greywater reuse initiatives piloted in newly renovated buildings, where water from sinks and washbasins is redirected for use in toilet flushing and landscape irrigation.

Awareness and monitoring programs coordinated by the Department of Ecology and Environmental Protection, ensuring that water reuse and conservation measures are implemented consistently.

These practices demonstrate the university's ongoing commitment to sustainable water resource management, aligned with SDG 6 (Clean Water and Sanitation) and SDG 12 (Responsible Consumption and Production).

BSU systematically measures and monitors water reuse as part of its Environmental Management and Sustainability Framework. The university, through its Facilities and Maintenance Department in collaboration with the Department of Ecology and Environmental Protection, conducts regular assessments of water consumption and reuse efficiency across campus facilities.

Key monitoring practices include:

Metering systems installed in selected buildings (e.g., Faculty of Chemistry, Faculty of Biology, and new administrative building) to track the volume of reused water from laboratory processes and greywater systems.

Records of rainwater harvesting and reuse maintained for campus landscaping and cleaning purposes.

Annual sustainability reports that include data on water use, reuse rates, and conservation performance indicators, allowing the university to identify opportunities for further efficiency.

Periodic inspections to ensure that water recycling systems function properly and meet hygiene and safety standards.

These monitoring activities enable BSU to quantify its progress in sustainable water management, reinforcing its commitment to SDG 6 (Clean Water and Sanitation) and SDG 12 (Responsible Consumption and Production).

BSU actively provides educational opportunities for local communities to learn about good water management and sustainable water practices. Through its Faculties of Ecology and Soil Science, Geography, and Biology, as well as the Centre for Environmental Research, the university organizes training programs, workshops, and public outreach initiatives aimed at promoting water conservation and responsible use among the wider community.

Concrete examples include:

Workshops and seminars on water conservation, wastewater treatment, and freshwater ecosystem protection, conducted in collaboration with local schools, municipalities, and environmental NGOs.

Community education programs on efficient irrigation and sustainable agricultural water use, particularly targeting rural regions and local farmers.

Public awareness campaigns held on World Water Day and Earth Day, where university experts share practical guidance on reducing water waste and protecting aquatic resources.

Student-led outreach projects, supported by the Faculty of Ecology, that engage local youth in monitoring water quality in nearby lakes and rivers (e.g., Boyukshor and Masazir lakes).

These initiatives demonstrate BSU's commitment to community engagement, environmental education, and the advancement of SDG 6 (Clean Water and Sanitation) and SDG 13 (Climate Action).

BSU actively supports water conservation initiatives beyond its campus, engaging in regional and national projects that promote sustainable water management and environmental stewardship. Through its Faculties of Ecology, Geography, and Biology, as well as the Centre for Environmental Research, the university collaborates with governmental bodies, NGOs, and local communities to extend its impact off campus.

Concrete examples include:

Joint research and monitoring projects with the Ministry of Ecology and Natural Resources of Azerbaijan, focusing on water quality assessment and pollution control in the Caspian Sea and local freshwater bodies such as Boyukshor Lake and Masazir Lake.

Community training programs in nearby rural areas on efficient irrigation techniques, rainwater harvesting, and sustainable agricultural water use.

Participation in national awareness campaigns, such as World Water Day and Clean Caspian initiatives, where BSU experts provide lectures and educational materials to the public.

Student volunteer programs that engage in river and lake cleanup activities and promote water conservation awareness in surrounding communities and schools.

Through these actions, BSU demonstrates a strong commitment to extending water conservation efforts beyond its campus, contributing to national progress toward SDG 6 (Clean Water and Sanitation) and SDG 15 (Life on Land).

BSU applies sustainable water extraction technologies wherever water is drawn from natural sources, both on and off campus, ensuring minimal environmental impact and responsible resource management. While the university itself primarily relies on municipal water supply, in cases where water is extracted for research, irrigation, or experimental purposes (e.g., small-scale studies on lakes or rivers), the following measures are applied:

Controlled water abstraction from freshwater bodies such as Boyukshor Lake and Masazir Lake for research purposes, with strict adherence to permitted extraction volumes to avoid ecosystem disruption.

Use of low-impact pumping systems and metered extraction technologies that monitor water usage in real-time, preventing overuse and wastage.

Rainwater harvesting and retention systems on campus to reduce reliance on external water sources for irrigation and laboratory experiments.

Collaboration with environmental authorities to ensure all water extraction activities comply with national water resource management standards and Azerbaijan's ecological regulations.

Research projects promoting sustainable aquaculture, irrigation practices, and ecosystem monitoring, which emphasize minimal water removal and conservation-friendly techniques.

These practices ensure that any water extraction associated with BSU is conducted sustainably, supporting the goals of SDG 6 (Clean Water and Sanitation) and SDG 15 (Life on Land) while fostering responsible research and educational practices.

BSU actively cooperates with local, regional, national, and international authorities to promote water security, sustainable water management, and environmental protection. Through its Faculties of Ecology, Geography, and Biology and the Centre for Environmental Research, the university participates in research, policy development, and community programs related to water resources.

Concrete examples include:

Collaboration with the Ministry of Ecology and Natural Resources of Azerbaijan on projects monitoring water quality in lakes, rivers, and reservoirs, and developing strategies to prevent pollution.

Partnerships with local municipalities to implement sustainable urban water management practices, including stormwater control and efficient irrigation in public green spaces.

Participation in regional initiatives such as the Caspian Sea environmental monitoring programs, addressing water contamination, ecosystem health, and sustainable fisheries management.

Engagement with international organizations and universities on research projects related to water conservation, climate adaptation, and integrated water resources management, contributing to global knowledge and policy development.

Hosting workshops and conferences for government officials and community leaders to share best practices in water security, management, and policy implementation.

Through these collaborations, BSU strengthens water security, advances sustainable development goals (SDG 6 - Clean Water and Sanitation; SDG 13 - Climate Action; SDG 15 - Life on Land), and supports evidence-based policymaking at multiple governance levels.

BSU actively promotes conscious and responsible water usage across its campus through a combination of awareness campaigns, infrastructure design, and educational initiatives. These efforts aim to ensure that students, staff, and visitors understand the importance of water conservation and adopt sustainable habits.

Concrete examples include:

Awareness campaigns and signage in buildings and common areas reminding students and staff to turn off taps, report leaks, and minimise water waste.

Integration of water conservation topics into curricula and workshops offered by the Faculties of Ecology, Biology, and Geography, helping students understand the importance of efficient water use.

Installation of water-saving technologies such as low-flow taps, sensor-based faucets, and dual-flush toilets, paired with guidance on their proper use.

Student-led initiatives and competitions, such as “Save Water, Save Life”, encouraging innovative ideas for reducing water consumption on campus.

Regular monitoring and reporting of water consumption through the university’s Facilities and Maintenance Department, promoting accountability and continuous improvement.

These actions ensure that BSU fosters a culture of conscious water usage, contributing directly to SDG 6 (Clean Water and Sanitation) and supporting sustainable campus operations.

BSU actively promotes conscious water usage in the wider community through educational programs, outreach initiatives, and public awareness campaigns. These efforts aim to encourage responsible water management beyond the campus and foster sustainable practices among local residents, schools, and businesses.

Concrete examples include:

Community workshops and seminars on topics such as efficient irrigation, wastewater management, and freshwater ecosystem protection, conducted by the Faculties of Ecology, Geography, and Biology.

Participation in national campaigns like World Water Day and Clean Caspian initiatives, where university experts provide lectures, distribute educational materials, and engage citizens in discussions on water conservation.

Collaboration with local schools and NGOs to deliver hands-on training programs for students and community members on reducing water waste and implementing sustainable practices.

Student-led outreach projects that involve monitoring local water quality, raising awareness about pollution, and promoting water-saving techniques in nearby communities.

Publication of guides and informational materials on best practices for water conservation, accessible to the general public through the university's website and community centers.

Through these actions, BSU fosters responsible water use in the broader community, supporting SDG 6 (Clean Water and Sanitation) and reinforcing its role as a leader in environmental education and sustainability.

Activities carried out at BSU in 2025 in the direction of SDG 6

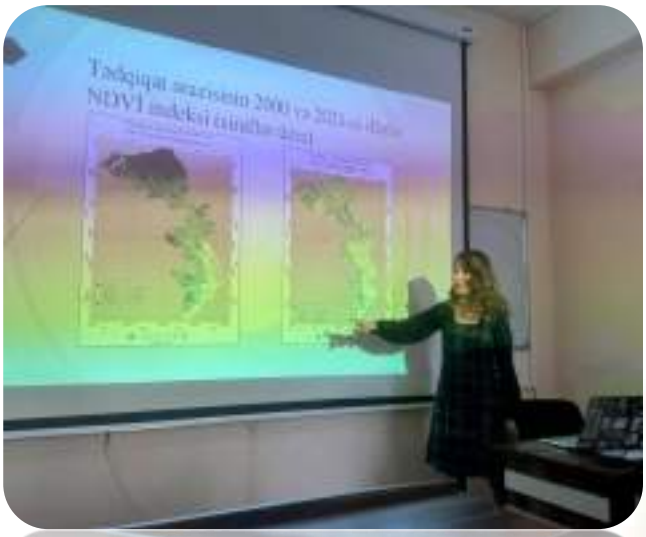
An International Scientific Conference on the topic Application of Modern Equipment and Methods in Improving Food and Water Security is being held at BSU

An international scientific conference titled "Application of Modern Equipment and Methods in Improving Food and Water Security" was held at BSU. The event was jointly organized by BSU, Bayramli Group LLC, and AnalytikJena.

During the opening ceremony, Rector Elchin Babayev emphasized that food and water security are priority areas of state policy and noted that the university contributes to this field through cooperation with its industry partners. It was highlighted that modern laboratories are being established at BSU, new technologies are being implemented, and special attention is given to the training of young specialists.

The conference addressed the application of atomic absorption spectroscopy, ICP-MS, ICP-OES, and other modern analytical methods in food quality control, waste management, and the resolution of environmental problems.
For more information please click.

An assessment of the ecological situation in the Həkəriçay reservoir was conducted at BSU



A scientific seminar dedicated to the assessment of the dynamic state of forest-vegetation cover in the Hakarichay basin was held at the Faculty of Ecology and Soil Science of BSU. The seminar featured a presentation by doctoral student Gunel Heydarzade.

The research analyzed changes in vegetation cover, hydrological conditions, and aerosol levels in the Lachin, Gubadli, and Zangilan districts based on satellite data and various indices. The results were presented through maps, diagrams, and graphs.
For more information please click.

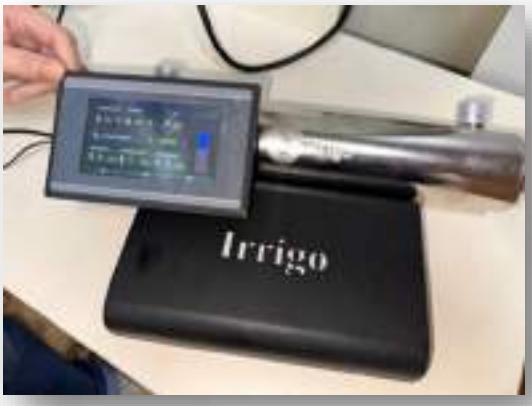
Young Scientist: I Continued the Research I Started at BSU at Italy's National Institute of Nuclear Physics – Interview

At BSU, Lala Gahramanlı, PhD in Physics and Senior Lecturer at the Department of Chemical Physics of Nanomaterials, achieved the highest result in the fields of natural, exact, and technical sciences in the "Young Scientist of the Year" competition. She has been awarded this title for three consecutive years and is the author of numerous articles published in internationally indexed (Q1- Q3) journals.

Her research focuses on nanostructures, graphene- and graphene oxide-based materials, sensor technologies, supercapacitors, and triboelectric nanogenerators. She has conducted scientific collaboration with researchers from Italy and Germany.

For more information please click.

The project IRRIGO – Sustainable Agricultural Ecosystem which will be established on the BBSU campus, will be featured in the finals of the TEKNOFEST 2025 SHC



From May 1 to 4, 2025, the world's largest aviation, space, and technology festival, "TEKNOFEST," was held in the Turkish Republic of Northern Cyprus. Among more than 15,000 teams and 47,000 participants in the competition, the "BDU TETYM" team of BSU qualified for the final stage in the "TEKNOFEST TRNC Research Projects" category with their project "Irrigo – Sustainable Agricultural Ecosystem."

For more information please click.

BSU is represented at Caspian Agro – the 18th Azerbaijan International Agriculture Exhibition

BSU participated in the “Caspian Agro” - the 18th Azerbaijan International Agriculture Exhibition with its project “Irrigo - Sustainable Agricultural Ecosystem.” The project uses artificial intelligence to treat wastewater and automatically regulate the type of fertilizers and the mineral composition of irrigation water according to the specific needs of plants.

During the exhibition, the President of the Republic of Azerbaijan, Ilham Aliyev, visited BSU’s booth and was informed about the project. “Irrigo” aligns with the Smart Village concept and the national strategy on efficient water resource management, aiming to contribute to the development of a sustainable and innovative living environment in Karabakh.

The university also presented its recent achievements in startup and technology competitions at the exhibition.

For more information please click.

Republic Scientific Conference on the new stage of land reform and the resolution of ecological problems at BSU

A republic-wide scientific conference titled “The New Stage of Land Reform and the Resolution of Ecological Problems” was held at BSU, organized by the Faculty of Ecology and Soil Science and dedicated to the 102nd anniversary of the birth of the National Leader Heydar Aliyev.

The speakers emphasized Heydar Aliyev’s role in the development of the agrarian sector, land reforms, irrigation and water management, as well as in shaping environmental policy. It was noted that during his leadership, environmental protection became one of the priority directions of state policy, laying the foundation for sustainable development.

At the plenary session, presentations were delivered on the analysis of ecological changes in the Aghdam district based on satellite imagery and on the impacts affecting the wetland ecosystem of Gizilaghaj National Park.

For more information please click.

Bayramli Group LLC Holds Workshop on Proper Use of Dispensers at BSU

As part of the Career Festival at BSU, a workshop titled “Proper Use of Dispensers” was organized in collaboration with the State Employment Agency under the Ministry of Labor and Social Protection of the Population, Bayramli Group LLC, the Student Trade Union Committee, the Career and Alumni Center, and BSU Volunteers.

The session provided information on the correct placement and use of dispensers, particularly for hygiene and disinfection products. It was emphasized that proper dispenser use plays an important role in preventing the spread of infections and maintaining sanitary standards.

For more information please click.

Study of the natural vegetation of the Caspian Coast underway at BSU

A scientific seminar on the natural vegetation of the Caspian coast was held at the Faculty of Biology of BSU. During the seminar, Professor Humira Huseynova provided information about the biodiversity of the Caspian coastal vegetation, its ecological and geobotanical characteristics, classification, and mapping using GIS technologies.

The research identified six main ecological zones and numerous phytocoenosis groups along the Caspian coast. It was emphasized that the maps prepared using GIS have scientific importance for biodiversity conservation, natural resource management, and environmental monitoring.

For more information please click.

BSU presents results of active biomonitoring of atmospheric air in Baku and Absheron

A scientific seminar on atmospheric air biomonitoring was held at the Faculty of Ecology and Soil Science of BSU. During the seminar, PhD student Orkhan Hajiyev presented the results of monitoring conducted at 21 locations on the Absheron

Peninsula using moss samples. The study revealed that in some areas the concentrations of heavy metals and other pollutants exceeded permissible limits.
For more information please click.

BSU student wins the “Azad Mirzajanzade Development Program” of RİİB

A fourth-year student of the Faculty of Ecology and Soil Science at BSU, Saida Rahimli, has been selected as a winner of the “Azad Mirzajanzade Development Program” organized by the Regional Development Public Union with her project “CMC-Vessel.”

In the final stage of the program, which received applications from more than 100 students, 10 projects were selected as winners and received financial support. The “CMC-Vessel” project focuses on cleaning oil-based pollution and plastic waste from the Caspian Sea.
For more information please click.

BSU participates in “Sustainability Exhibition: Art and Innovation for the Planet”

BSU participated in the “Sustainability Exhibition: Art and Innovation for the Planet,” held within the framework of Baku Climate Action Week, with two innovative projects - “Irrigo: Sustainable Agricultural Ecosystem” and “Hydroponics.”

The “Irrigo” project focuses on water conservation, wastewater treatment for reuse in irrigation, and the promotion of sustainable agriculture through smart technological solutions. The “Hydroponics” project promotes the adoption of soilless cultivation systems, encouraging efficient resource use and contributing to the development of a green economy.

“Irrigo” was selected as one of the top six projects at the exhibition, and the team was awarded a certificate for active participation and innovative contribution.
For more information please click.

Scientific seminar on the modeling of the Hakari River held at the faculty of Geography

A scientific seminar on “Modeling the Hakari River Using MATLAB Software” was held at the Faculty of Geography of BSU. During the seminar, the importance of strengthening research activities and applying modern modeling methods to water resources in Azerbaijan’s liberated territories was emphasized. Associate Professor Banovshe Mehdiyeva presented her study on the mathematical modeling of the Hakari River and its tributaries, discussing hydrological regimes, average annual flow, flood events, and water resource management.
For more information please click.

Student Scientific Society seminar held

The next seminar of the Student Scientific Society was held at the Faculty of Ecology and Soil Science of BSU.

During the seminar, master’s students Banu Huseynova presented on the analysis of the physicochemical parameters of water samples taken from the Hakari River, while Aydan Imanova delivered a presentation on the determination of cobalt, zinc, and iron in local and imported fruits.
For more information please click.

Scientific seminar on the ecological problems caused by the mining industry

A scientific seminar dedicated to the investigation of ecological problems caused by the mining industry in the Dashkasan district using GIS technologies was held at the Faculty of Geography of BSU.

During the seminar, the impacts of mining activities-such as soil degradation, forest transformation, and water pollution-were analyzed. Ecological risk zones were mapped, and recommendations were presented for addressing these environmental problems.

For more information please click.

Scientific seminar held

On November 25, 2025, a scientific seminar was held at the Faculty of Ecology and Soil Science of BSU. During the seminar, doctoral student Gunel Heydarzade delivered a presentation on the ecological assessment of humidity using the MNDWI index in the Lachin, Gubadli, and Zangilan districts.

The research analyzed changes in hydrological conditions and vegetation cover based on satellite imagery (2000 and 2021), GIS technologies, and archival materials. The results showed significant shifts in moisture distribution, particularly in shrublands, grasslands, non-forested areas, and sparse forest zones, providing a scientific basis for ecological monitoring and sustainable land management in the liberated territories.

For more information please click.

BSU students conduct scientific research on nanotechnologies and environmental safety

A scientific seminar of the Student Scientific Society was held at the Faculty of Physics of BSU. During the seminar, students delivered presentations on the application of nanotechnology in water purification, as well as on environmental protection and environmental safety. At the end of the event, the dean of the faculty emphasized the importance of increasing students' interest in scientific activities.

For more information please click

CONCLUSION

BSU demonstrates a strong commitment to the principles of Sustainable Development Goal 6 (Clean Water and Sanitation) through responsible water management, conservation initiatives, and active engagement in research and community education. The university has implemented systematic monitoring of water consumption through metering systems, adopted water-saving technologies such as sensor-based taps and efficient irrigation methods, and developed infrastructure that supports rainwater harvesting and wastewater management.

Efforts to reduce water consumption are further supported by sustainable landscaping practices, including the use of drought-tolerant plant species and the planned expansion of drip irrigation systems. At the same time, the university is exploring opportunities to increase water reuse, particularly through wastewater treatment and potential greywater recycling systems. These initiatives demonstrate a proactive approach to improving water efficiency and reducing environmental impact.

Beyond operational practices, the university contributes significantly to knowledge creation and public awareness through scientific research, conferences, and educational outreach programs related to water quality, wastewater treatment, and ecosystem protection. Collaboration with governmental institutions, international partners, and local communities further strengthens BSU's role in promoting sustainable water management at both national and regional levels.

SDG FOCUSED MEMBERSHIPS

aashe member
The Association for the Advancement of Sustainability in Higher Education

CANIE
climate action network

WAITRO

GUNI
GLOBAL UNIVERSITY NETWORK FOR INNOVATION

ISCN
International Sustainable Campus Network

SDG FOCUSED RANKING RESULTS

Rated for Excellence

Baku State University

Through rigorous and independent data collection and analysis of performance metrics as set out in the QS Stars™ methodology Baku State University has been awarded 5 Stars.

★★★★★ TEACHING	★★★★★ FACILITIES
★★★★★ EMPLOYABILITY	★★★★★ GOOD GOVERNANCE
★★★★★ ENVIRONMENTAL IMPACT	★★★★★ ACADEMIC DEVELOPMENT
★★★★ GLOBAL ENGAGEMENT	★★★★ CHEMISTRY
★★★★★ DIVERSITY, EQUITY & INCLUSION	

QS Stars

The QS Stars™ rating system evaluates universities across a wide spectrum of important performance indicators as set against pre-established international standards. By assessing a broader scope of criteria than any world ranking exercise, QS Stars™ illuminates the unique strengths and diversity of the rated institution with both precision and clarity.

Leigh Kamolins, Head of Evaluation

QS WORLD UNIVERSITY RANKINGS

SUSTAINABILITY RANKINGS 2025

Baku State University

941-950

in overall performance

December 2024

Date

Ben Sowter
Senior Vice-President
QS Quacquarelli Symonds

UI GreenMetric
UNIVERSITAS INDONESIA
UI GreenMetric World University Rankings 2025
CERTIFICATE
This certificate is awarded to
Baku State University
as The 493rd World's Most Sustainable University
in 2025 UI GreenMetric World University Rankings
5 December 2025
UI GREENMETRIC WORLD UNIVERSITY RANKINGS
Dr. Vishnu Juwono, S.E., MIA
Chairperson of UI GreenMetric

4. RANKING IN AZERBAIJAN

Country Ranking	SI Ranking	EC Ranking	WS Ranking
1	2	11	3

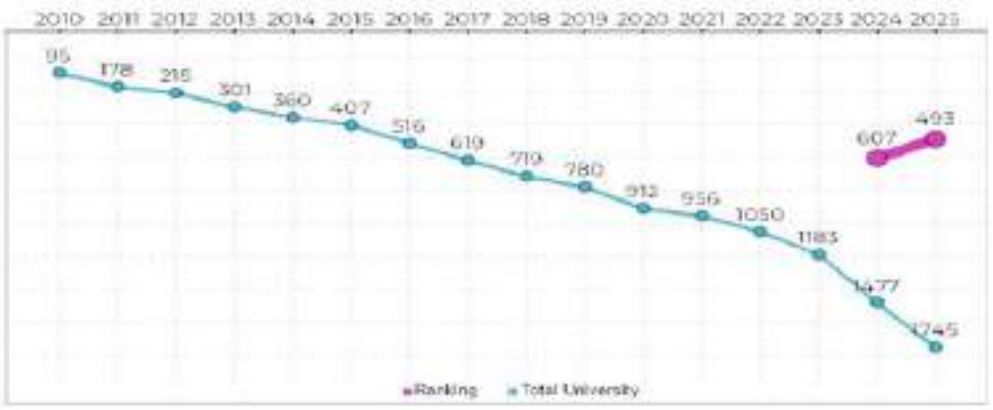
WR Ranking	TR Ranking	ED Ranking
5	1	2

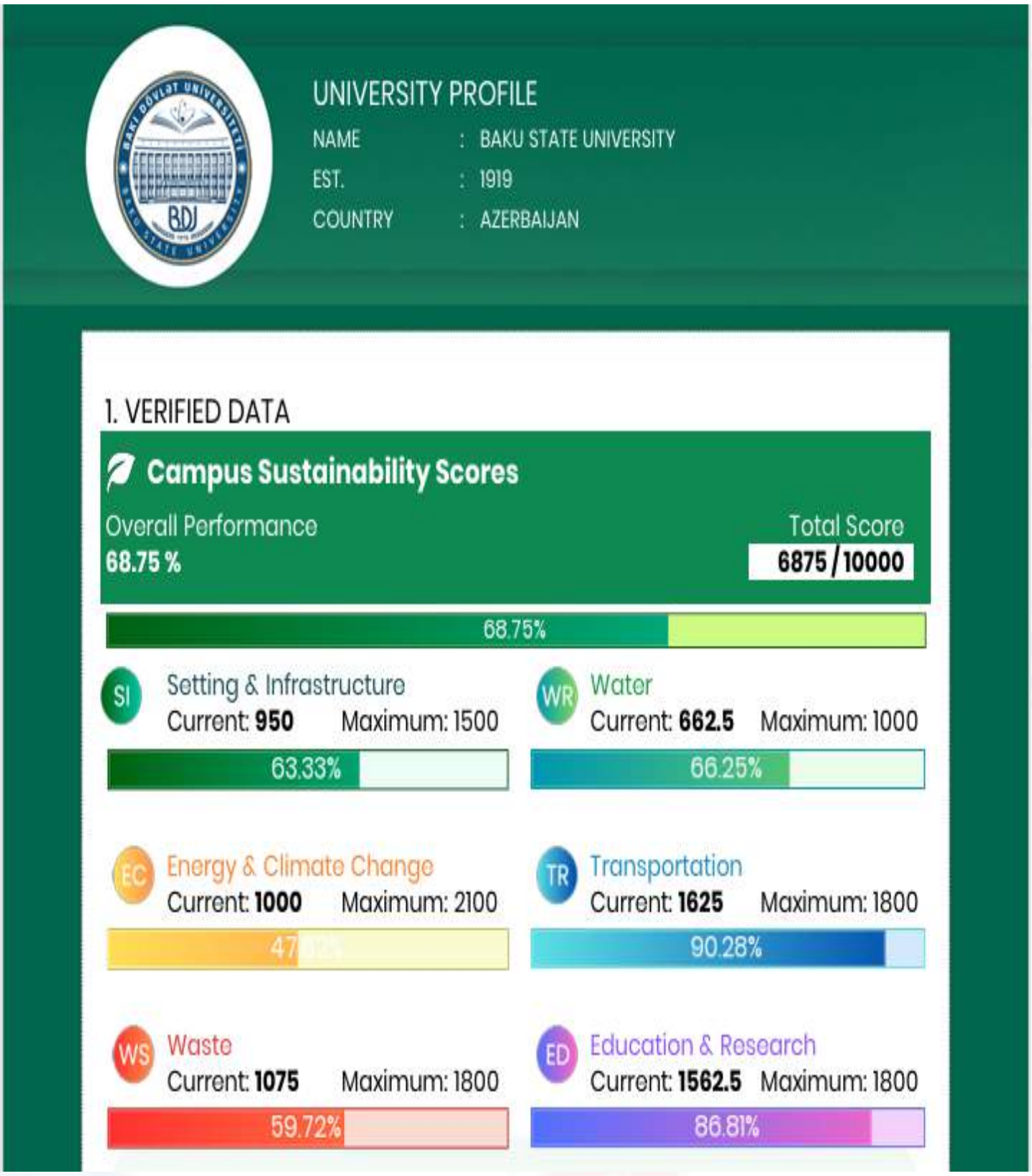
2. RESULTS SUMMARY

World Ranking	SI Ranking	EC Ranking	WS Ranking
493	660	1102	654

WR Ranking	TR Ranking	ED Ranking
607	98	239

3. WORLD RANKINGS HISTORY




UNIVERSITY PROFILE
NAME : BAKU STATE UNIVERSITY
EST. : 1919
COUNTRY : AZERBAIJAN
1. VERIFIED DATA
Campus Sustainability Scores
Overall Performance
68.75 %
Total Score
6875 / 10000
68.75%
SI
Setting & Infrastructure
Current: 950 Maximum: 1500
63.33%
WR
Water
Current: 662.5 Maximum: 1000
66.25%
EC
Energy & Climate Change
Current: 1000 Maximum: 2100
TR
Transportation
Current: 1625 Maximum: 1800
90.28%
WS
Waste
Current: 1075 Maximum: 1800
59.72%
ED
Education & Research
Current: 1562.5 Maximum: 1800
86.81%

THE IMPACT RANKINGS

OVERALL RANK

401–600 out of **2318** institutions

OVERALL SCORE

71.8 out of **100**

6 CLEAN WATER AND SANITATION

SCORE
63.1

RANK
201–300 out of **1042** institutions

SCORE
47.5 Research on water

27% OF THIS SDG

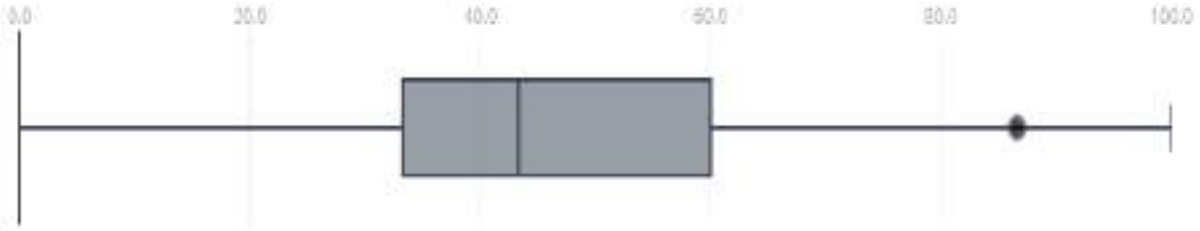
SCORE
27.2 Water consumption per person

19% OF THIS SDG

SCORE

86.6 Water usage and care

23% OF THIS SDG



SCORE

85.4 Water reuse

12% OF THIS SDG

SCORE

78.3 Water in the community

19% OF THIS SDG

SDG FOCUSED RESEARCH

BSU emphasizes the importance of implementing the United Nations Sustainable Development Goals aimed at addressing global challenges. Among these goals, SDG 6: Clean Water and Sanitation holds particular significance. Efficient water resource management, ensuring access to safe drinking water, and protecting aquatic ecosystems are considered important priorities both for the country and the wider region.

Based on its scientific capacity in ecology, biology, and environmental sciences, the university conducts research on water quality monitoring, wastewater treatment, and integrated water resource management. These activities enable the practical application of scientific knowledge while contributing to the resolution of local and regional water challenges and strengthening the university's participation in international sustainable development initiatives.

1. Authors: Yuennan, J., Al-Sulaimi, S.S., Karimov, M.K., Guesmi, A., Channuie, P.
Focus: Visible-light activated W0.5Ag0.5FeO3 nanoparticles for tetracycline degradation.
Methods: Photocatalysis with peroxymonosulfate.
Findings: High efficiency, broad pH range, multiple reactive species, stable system.
Recommendation: Green solution for wastewater treatment.
Full text

2. Authors: Naghiyeva, U.N., Hajiyeva, S.R., Hajiyeva, F.V., Bracciale, M.P., Bavasso, I.
Focus: Pomegranate peel–Fe3O4 biosorbents for crude oil removal.
Methods: Oil–water adsorption experiments, kinetic modeling.
Findings: 10% Fe3O4 loading removed 82% oil in 10 min; adsorption fits pseudo-first order (physisorption).
Recommendation: Eco-friendly method for oil spill remediation.
Full text

3. Authors: Abiyev, Y., Mukhtarova, S., Muradova, A., Markova, L.M., Hasanova, G.
Focus: Freshwater algae diversity in Samur-Yalama National Park (Azerbaijan).
Methods: Seasonal survey of algal taxa and water chemistry.
Findings: 46 taxa recorded (mostly new); clean, oxygen-rich streams; nutrients shape communities.

Recommendation: Use as baseline data for conservation and monitoring.
Full text

4. Authors: Humbatov, F.Y., Solut, H.A.N., Aslanova, G.F., Balayev, V.
Focus: Radioactive, heavy metal, and pesticide contamination in Okchuchay & Basitchay rivers (Azerbaijan).
Methods: Gamma spectrometry, AAS, gas chromatography.
Findings: Pollution threatens agriculture and drinking water.
Recommendation: Immediate monitoring, pollution reduction, ecological restoration.
Full text

5. Authors: Maeyouf, H., Afifi, R.A., Temraz, T.A., Ali, I., Imanova, G.T.
Focus: Heavy metals in Libyan coasts (Susah & Tobruk).
Methods: Sediment, seawater, fish analyses.
Findings: High cadmium/lead in Susah; bioaccumulation in fish.
Recommendation: Urgent pollution management.
Full text

6. Authors: Gadirova, E.M., Kurbanova, R.V., Asadova, I., Habibova, A.G., Suleymanova, E.I.
Focus: Oil refinery wastewater and Caspian Sea pollution.
Methods: Analysis of PAHs and heavy metals.
Findings: Some PAHs exceed safe limits; industrial effluents pose risks.
Recommendation: Stricter wastewater control.
Full text

7. Authors: Teymurova, V.E., Abdullayeva, S., Muradova, K., Aslanova, M.M., Bayramli, M.
Focus: Environmental challenges and economic impacts in Azerbaijan.
Methods: Policy and economic analysis.
Findings: Environmental degradation undermines competitiveness.
Recommendation: Invest in human capital, education, and green technologies.
Full text

8. Authors: Aliyev, S.I., Ahmadova, K., Suleymanov, S., Abdurrahmanova, Z., Farzali, S.
Focus: Zoobenthos biodiversity in Yalama River (Azerbaijan).
Methods: Field sampling (2020–2023).
Findings: 53 species identified; bioindicators of water quality.

Recommendation: Biodiversity monitoring for ecological health.
Full text

9. Authors: Huseynova, G., Valiyeva, A., Tahmezli, E., Surkhayli, S., Tahmezli, M.
Focus: GIS and remote sensing for water quality in Guba-Khachmaz (Azerbaijan).
Methods: GIS modeling, multivariate analysis, GEE tools.
Findings: Climate change impacts mapped effectively.
Recommendation: Expand GIS-based water resource planning.
Full text

10. Authors: Abduvalieva, M.J., Turaev, K.K., Kasimov, S.A., Ismailov, E.H., Nomozov, A.K.
Focus: Polymer ion exchanger for heavy metal removal.
Methods: Thermal & IR analysis, adsorption isotherms.
Findings: Effective sorption of Ni(II), Co(II), Cu(II); stable polymer.
Recommendation: Potential sorbent for wastewater treatment.
Full text

11. Authors: Maeyouf, H., Afifi, R.A., Temraz, T.A., Ali, I., Imanova, G.T.
Focus: Heavy metals along Benghazi coast (Libya).
Methods: Seawater, sediments, marine life testing.
Findings: High cadmium; mussels/fish bioaccumulate metals.
Recommendation: Strengthen wastewater treatment and monitoring.
Full text

12. Authors: Humbatov, F.Y., Ibrahimov, G., Aslanova, G.F., Karimova, N., Karimbeyli, I.
Focus: Radioecological risks in demined Gubadli region (Azerbaijan).
Methods: Radiation and water quality surveys (64 sites).
Findings: 7.5 µR/h average radiation; unsafe mineral and metal levels in water.
Recommendation: Continuous monitoring, ecological restoration.
Full text

13. Authors: Guliyeva, Z., Maxsudov, S., Garibova, S., Novruzova, S., Guliyev, S.
Focus: Vermicompost + irrigation for tomato growth in clay soil.
Methods: Greenhouse experiment.
Findings: 1.0 t/da vermicompost ↑ yield, soil quality, nutrient content.
Recommendation: Integrate organic fertilizers for sustainable farming.
Full text

14. Authors: Mammadli, S., Khalilov, R.I., Muslumova, Z., Farajov, M., Ismailova, G.
Focus: Araz River pollution impact on soil and water.
Methods: Mass spectrometry, radiometry.
Findings: High molybdenum, copper, manganese; unsafe for humans/livestock.
Recommendation: Pollution control to protect health.
Full text

15. Authors: Aliyeva, S.B., Azizkhanli, S.A.
Focus: Acridine Orange dye toxicity and removal methods.
Methods: Review (1981–2024 studies).
Findings: Adsorption main removal method; electrostatic interactions dominate; regeneration possible.
Recommendation: Advance adsorbent design and computational research.
Full text

16. Authors: Gadirova, E.M., Hajiyeva, S.R., Huseyinli, A.G., Rustamova, U.N.
Focus: Wastewater and Caspian Sea contamination by PAHs/heavy metals.
Methods: Industrial wastewater + seawater sampling.
Findings: Detected dangerous PAH and metal levels.
Recommendation: Strengthen industry regulation.
Full text

17. Authors: Zakiyeva, I.H., Hashimov, A.M., Samadova, U.F., Aligayev, A.K., Hasanova, S.I.
Focus: Innovative wastewater treatment with electrical discharge.
Methods: Mass spectrometry; adsorbent modification via high-voltage discharge.
Findings: Electrical discharge improved sorption efficiency for heavy metals.
Recommendation: Adopt advanced discharge-based methods for sustainable treatment.
Full text

For all SDGs related articles please visit: Scopus - Baku State University

SDG contributions

Goal 1: No poverty	9 documents	Goal 10: Reduced inequalities	40 documents
Goal 2: Zero hunger	74 documents	Goal 11: Sustainable cities and communities	37 documents
Goal 3: Good health and well-being	241 documents	Goal 12: Responsible consumption and productior	44 documents
Goal 4: Quality education	21 documents	Goal 13: Climate action	55 documents
Goal 5: Gender equality	12 documents	Goal 14: Life below water	50 documents
Goal 6: Clean water and sanitation	83 documents	Goal 15: Life on land	31 documents
Goal 7: Affordable and clean energy	353 documents	Goal 16: Peace, justice and strong institutions	36 documents
Goal 8: Decent work and economic growth	68 documents	Goal 17: Partnership for the goals	47 documents
Goal 9: Industry, innovation and infrastructure	101 documents		

Baku State University

2025 REPORT ON

7 AFFORDABLE AND CLEAN ENERGY

Introduction
SDG 7: AFFORDABLE AND CLEAN ENERGY

The transition toward sustainable energy systems has become one of the most critical global priorities of the 21st century. Universities play an essential role in this transformation by promoting research, innovation, and education related to renewable energy, environmental protection, and sustainable development. As climate change, energy security, and environmental degradation continue to challenge societies worldwide, academic institutions are increasingly expected to integrate sustainability principles into their infrastructure, teaching, and community engagement. In this context, initiatives that promote clean energy technologies, sustainable mobility, and environmental awareness are vital for shaping responsible future leaders and supporting global sustainable development goals.

Baku State University has taken a series of practical and strategic steps to contribute to sustainable energy development and environmental responsibility. Through initiatives such as renewable-energy powered charging stations, solar-powered campus facilities, eco-friendly transportation infrastructure, and active participation in international climate and energy events, the university demonstrates its commitment to sustainable innovation. These efforts not only improve the environmental performance of the campus but also create opportunities for students and researchers to engage directly with modern green technologies and sustainability practices. By integrating sustainability into both its infrastructure and academic activities, the university contributes to national and global efforts aimed at reducing carbon emissions, supporting green economic development, and promoting responsible energy use.

For previous year's report please see:

https://sdg.bsu.edu.az/report-on-sdg-7-affordable-and-clean-energy

Dedicated lanes for bicycles and small electric vehicles at the main entrance of BSU

Dedicated lanes for bicycles and small electric vehicles have been established at the main entrance of Baku State University. These lanes were created in accordance with the Decree of the President of the Republic of Azerbaijan, Ilham Aliyev, dated January 30, 2025, on the “Approval of the State Program for the Improvement of Transport Infrastructure in Baku and Surrounding Areas for 2025–2030.” The initiative aims to develop micromobility, reduce traffic congestion, decrease reliance on private cars, and promote sustainable and environmentally friendly urban transport. Secure bicycle parking spaces have also been installed along these lanes.

For more information, please click here

Opening of the “Student Space” at BSU

On May 26, 2025, Baku State University (BSU), in cooperation with the Azerbaijan Trade Unions Confederation (AHIK), opened a new “Student Space” on campus. During the ceremony, Rector Elchin Babayev described it as one of the most successful initiatives implemented within the “Year of Constitution and Sovereignty,” noting that it will enrich students’ social life.

The space is designed for leisure activities, discussions, and project implementation. It features solar-powered lighting and a 24/7 mini-library accessible to all students. AHIK Chairman Sahib Mammadov and other speakers emphasized that the project will promote student socialization, leadership skills, and the overall development of the university.

For more information, please click here

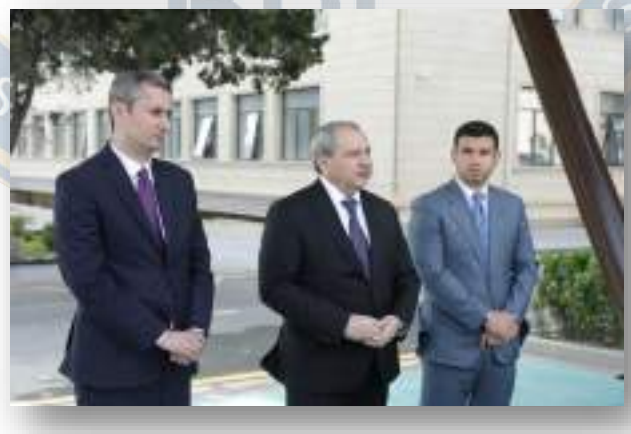
BSU and KOBIA open EcoEnergy Station on Campus

An EcoEnergy Station powered by renewable energy sources has been inaugurated at Baku State University (BSU) in partnership with the Small and Medium Business Development Agency (KOBIA). The station uses solar and wind energy to provide clean charging for electric vehicles.

Rector Elchin Babayev highlighted green energy and green economy as national priorities. The “Clean-Charge” AC station was among the winners of KOBIA’s 5th grant competition, receiving nearly 20,000 AZN in funding. Chairman Orkhan Mammadov emphasized support for innovation-driven projects.

With a total capacity of 22 kWh, the station aims to reduce carbon emissions, contribute to the UN Sustainable Development Goals, and be integrated into the academic curriculum. The event concluded with a live demonstration of an electric vehicle charging at the new station.

For more information, please click here



Opening ceremony of the UN Local Conference of Youth on Climate Change – “LCOY Azerbaijan 2025” held at BSU

The opening ceremony of “LCOY Azerbaijan 2025,” the United Nations Local Conference of Youth on Climate Change, was held at Baku State University, organized by the “EkoSfera” Ecological-Social Center in partnership with SEA BREEZE Resort and with media support from CBC – Caspian International Broadcasting Company.

The conference gathered more than 150 young climate leaders, government representatives, and international organizations. Speakers emphasized the key role of youth in combating climate change.

The event is part of the YOUNGO platform and aims to contribute to the upcoming COP30.

Panel discussions covered topics such as climate leadership, digital platforms, AI in environmental monitoring, and sustainable agriculture. The second day will continue at "SEA BREEZE Resort," where the Azerbaijan Youth Climate Declaration will be adopted.

For more information, please click here

BSU represented at Baku Energy Week

Baku State University took part in Baku Energy Week, which brings together three major platforms: the 30th Anniversary Caspian Oil and Gas Exhibition, the 13th Caspian Power Exhibition, and the 30th Anniversary Baku Energy Forum.

Within the "Smart Energy Hub" startup zone, 10 local and international projects were presented. At the BSU booth, the university showcased its renewable energy-powered charging station, operating with solar and wind energy and supporting CCS2 and GBT standards. In the future, it will also enable charging for electric bicycles and scooters used by students. This year, Baku Energy Week is hosting 267 companies from 39 countries.

For more information, please click here

National Youth Climate Statement of Azerbaijan adopted at the UN Local Conference of Youth on Climate Change

The second day of “LCOY Azerbaijan 2025,” organized by the “EkoSfera” Ecological-Social Center in partnership with Baku State University and SEA BREEZE Resort, with media support from CBC – Caspian International Broadcasting Company, was successfully held.

In his speech, Mukhtar Babayev described Azerbaijan’s hosting of COP29 as a historic milestone and emphasized the importance of active youth participation in climate processes. Other officials also highlighted the key role of young people in building a sustainable future.

Panel discussions covered sustainable infrastructure, circular economy, biodiversity, ESG principles, green jobs, and water security. At the end of the event, the draft National Youth Statement on Climate was adopted, which will contribute to the Global Youth Statement to be presented at COP30.

For more information, please click here

Systematic, planned and thoughtful measures are being implemented in our country to combat climate change – Elchin Babayev

The Rector of Baku State University, Elchin Babayev, stated at a roundtable titled "Information Warfare: The Nature and Objectives of Information Attacks Against Azerbaijan on the Eve of COP29" that systematic and well-planned measures are being implemented in the country to diversify the green economy and combat climate change. He emphasized that Azerbaijan has mobilized all its resources to organize COP29 at the highest level. The declaration of 2024 as the "Year of Solidarity for a Green World" by Ilham Aliyev reflects this commitment.

According to Babayev, Azerbaijan's achievements have triggered information attacks and disinformation campaigns ahead of COP29, aimed at undermining the country's growing international reputation and distracting it from its objectives.

For more information, please click here

BSU becomes the South Caucasus leader in "UI GreenMetric 2025" Ranking

Baku State University has become the leader in the South Caucasus according to the UI GreenMetric World University Ranking 2025. The university ranked 493rd among 1,745 universities from 105 countries, improving by 114 positions compared to last year, and secured the top position among 19 Azerbaijani higher education institutions included in the ranking.

The ranking evaluates universities based on ecological sustainability criteria, including campus environmental impact, energy policies, water management, digitalization, sustainable transportation, integration of environmental topics into education, and research output on sustainability.

This achievement highlights BSU's environmental initiatives and commitment to sustainable development, further strengthening its international standing.

For more information, please click here

Scientific seminar at BSU: Carbon credit market and potential opportunities

The scientific seminar titled “Carbon Credit Market and Potential Opportunities” was organized by the Nano-Research Scientific Laboratory operating under Baku State University. Presentations were delivered by laboratory researchers Orkhan Gulahmadov and Kim Jiseok.

Orkhan Gulahmadov described climate change and the energy crisis as two of the most serious global challenges of our time, explaining the negative impacts of increasing carbon dioxide (CO_2) emissions on ecosystems, human health, and economic systems. He also provided information about international initiatives and mechanisms implemented to address these issues.

Kim Jiseok explained the essence and functioning principles of the carbon credit market, as well as the economic value of credits granted in exchange for reducing emissions. He outlined the fundamental principles of the carbon credit system and referred to the experiences of the European Union, Japan, Canada, and South Korea.

During the seminar, it was emphasized that following COP29, held in Baku in 2024, the regulation of carbon emissions and the implementation of a carbon taxation system have become key priorities on Azerbaijan’s national agenda. It was noted that strengthening cooperation between government institutions, the private sector, and academic and research institutions is essential for the development of a national carbon credit market. The seminar concluded with a Q&A session.

For more information, please click here

Deputy director of the State Agency on Renewable Energy Sources delivers a masterclass at BSU

At the Faculty of Ecology and Soil Science of Baku State University (BSU), Fagan Abdurahmanov, Deputy Director of the State Agency on Renewable Energy Sources under the Ministry of Energy, delivered a masterclass entitled “Renewable Energy Sources and the Development of Green Energy in Azerbaijan: Current Status and Future Prospects.”

In his opening remarks, Faculty Dean Associate Professor Akif Agbabali highlighted the importance of such educational initiatives in enhancing students’ knowledge and skills, as well as in guiding their future career choices. He expressed his gratitude to the speaker and the delegation, emphasizing the value of providing students with internship and exchange opportunities within the relevant departments of the State Agency on Renewable Energy Sources.

During his presentation, Mr. Abdurahmanov elaborated on the role of green energy in environmental protection and provided comprehensive information about ongoing wind and solar energy projects, which are considered highly promising sectors in Azerbaijan. He discussed production mechanisms, economic efficiency, the country’s current utilization of renewable energy sources, the installed capacities of wind and solar power plants, and planned future projects. The session concluded with a Q&A segment, during which students’ questions were addressed.

For more information, please click here

The 1st International Scientific Conference on “A Sustainable Future: Integrated Development of Earth Sciences and Ecology” is being held at BSU

The 1st International Scientific Conference titled “A Sustainable Future: Integrated Development of Earth Sciences and Ecology” was held at Baku State University. The conference was organized with the participation of several international universities. During the opening ceremony, the Vice-Rector for Science and Innovation of BSU, Huseyn Mammadov, spoke about Azerbaijan’s efforts to ensure energy security, transition to a green economy, and protect the environment. He also emphasized that the document Azerbaijan 2030: National Priorities for Socio-Economic Development identifies sustainable economic development and a clean environment among the country’s main priorities. In recent years, more than 120 scientific projects have been implemented at BSU with the participation of over 700 students and researchers. Scientists from 12 countries are participating in the conference, and 280 scientific papers are included in the program. The Rector of Baku Higher Oil School, Elmar Gasimov, highlighted the importance of the conference for regional sustainable development and for discussing environmental issues related to the Caspian Sea.

For more information, please click here

Conclusion

The activities and initiatives described in the report illustrate how academic institutions can actively support the transition toward sustainable energy systems and environmentally responsible development. By implementing renewable energy solutions, encouraging sustainable transportation, and promoting climate awareness among students and researchers, the university demonstrates a comprehensive approach to sustainability. Such initiatives not only reduce environmental impact but also strengthen the educational and research environment by providing practical examples of green technologies and sustainable practices.

In the long term, continued investment in renewable energy, environmental education, and international collaboration will remain essential for achieving sustainable development objectives. Universities that prioritize sustainability contribute not only to scientific advancement but also to the development of environmentally conscious societies. Through its initiatives, research activities, and engagement with global climate discussions, Baku State University positions itself as an active participant in the global movement toward a cleaner, more sustainable future and serves as a model for integrating sustainability into higher education institutions.

SDG Focused Memberships

aashe member
The Association for the Advancement of Sustainability in Higher Education

WAITRO

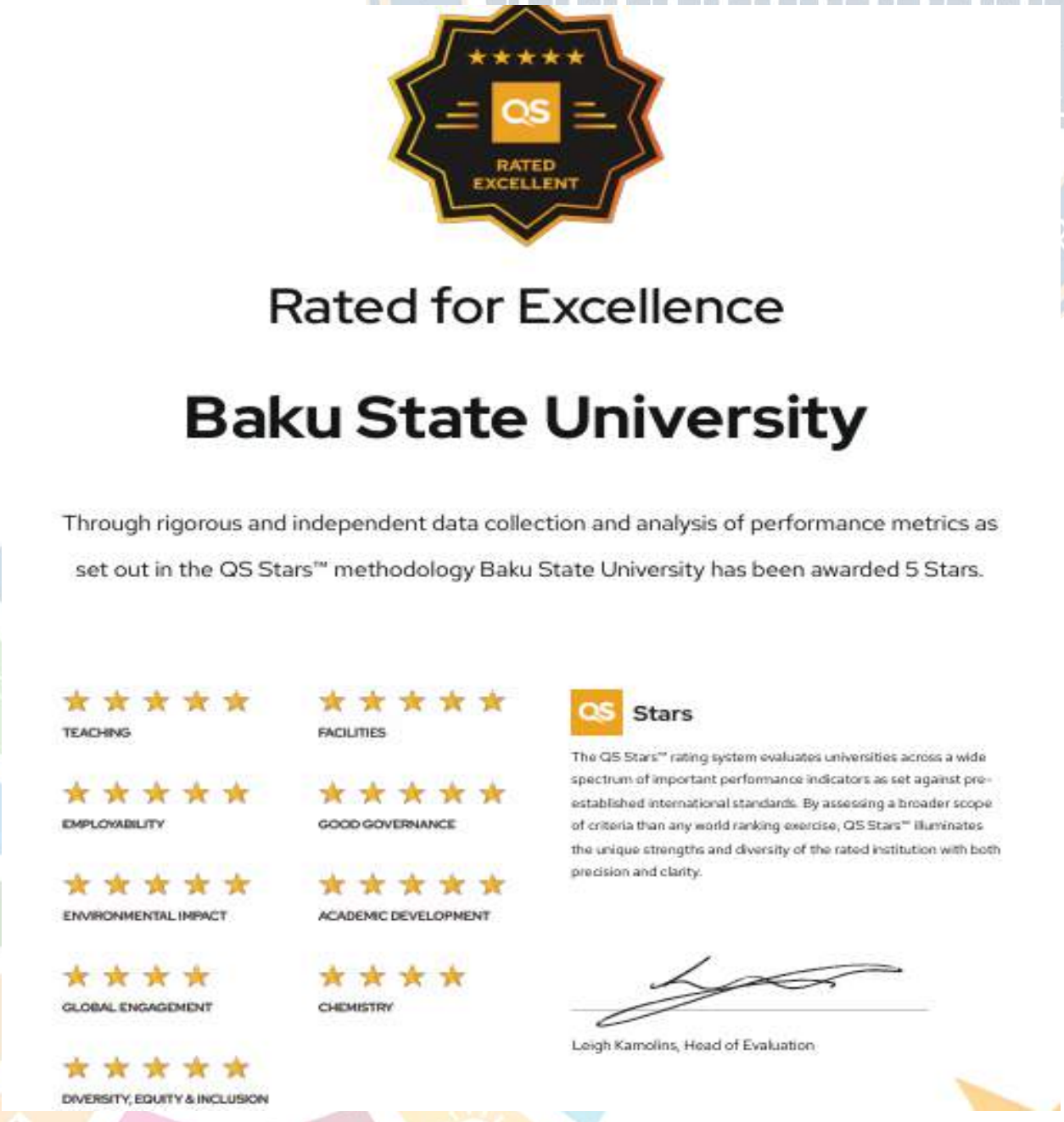
CANIE
climate action network

ISCN
International Sustainable Campus Network

GUNA
GLOBAL UNIVERSITY NETWORK FOR INNOVATION

SUSTAINABLE DEVELOPMENT GOALS

SDG FOCUSED RANKING RESULTS



UI GreenMetric
UNIVERSITAS INDONESIA
UI GreenMetric World University Rankings 2025
CERTIFICATE
This certificate is awarded to
Baku State University
as The 493rd World's Most Sustainable University
in 2025 UI GreenMetric World University Rankings
5 December 2025
Dr. Vishnu Juwono, S.E., MIA
Chairperson of UI GreenMetric

QS WORLD UNIVERSITY RANKINGS

SUSTAINABILITY RANKINGS 2025

Baku State University

941-950

in overall performance

December 2024

Date

Ben Sowter
Senior Vice-President
QS Quacquarelli Symonds

4. RANKING IN AZERBAIJAN

Country Ranking	SI Ranking	EC Ranking	WS Ranking
1	2	11	3

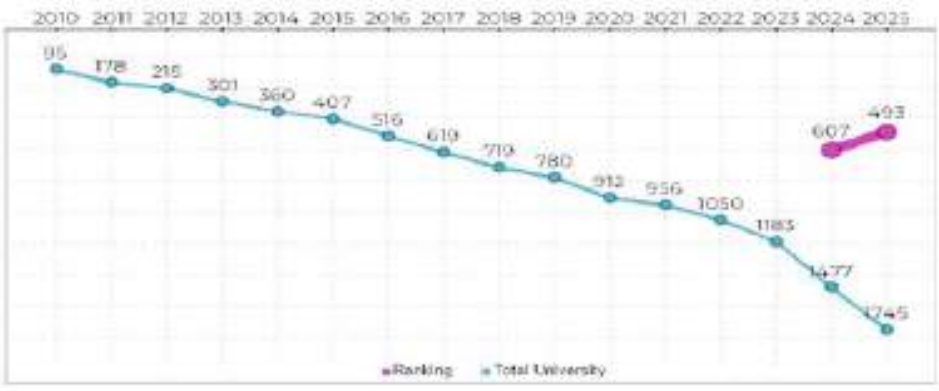
WR Ranking	TR Ranking	ED Ranking
5	1	2

2. RESULTS SUMMARY

World Ranking	SI Ranking	EC Ranking	WS Ranking
493	660	1102	654

WR Ranking	TR Ranking	ED Ranking
607	98	239

3. WORLD RANKINGS HISTORY



7 AFFORDABLE AND CLEAN ENERGY

UNIVERSITY PROFILE

NAME : BAKU STATE UNIVERSITY
EST. : 1919
COUNTRY : AZERBAIJAN

1. VERIFIED DATA

Campus Sustainability Scores

Overall Performance
68.75 %

Total Score
6875 / 10000

68.75%

SI Setting & Infrastructure
Current: **950** Maximum: 1500
63.33%

WR Water
Current: **662.5** Maximum: 1000
66.25%

EC Energy & Climate Change
Current: **1000** Maximum: 2100
47

TR Transportation
Current: **1625** Maximum: 1800
90.28%

WS Waste
Current: **1075** Maximum: 1800
59.72%

ED Education & Research
Current: **1562.5** Maximum: 1800
86.81%

SUSTAINABLE DEVELOPMENT GOALS

7 AFFORDABLE AND CLEAN ENERGY

THE IMPACT RANKINGS

THE Impact Rankings 2025

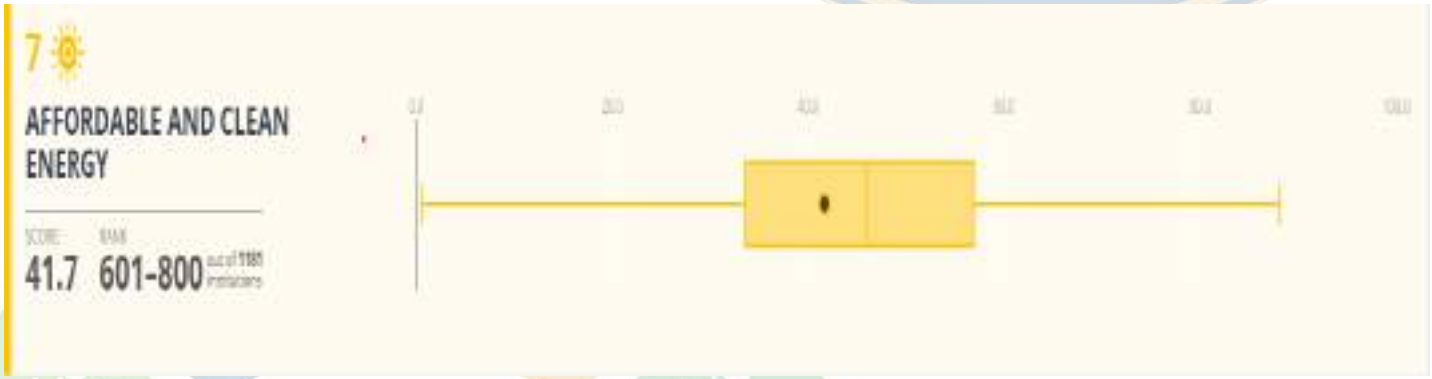
Download

OVERALL SCORE	OVERALL RANK	SDG PARTICIPATED
71.8 out of 100	401–600 out of 2318 institutions	15 out of 17 Sustainable Development Goals

OVERALL RANK

401–600 out of **2318** institutions

7 AFFORDABLE AND CLEAN ENERGY



SCORE
70.1 University measures towards affordable and clean energy

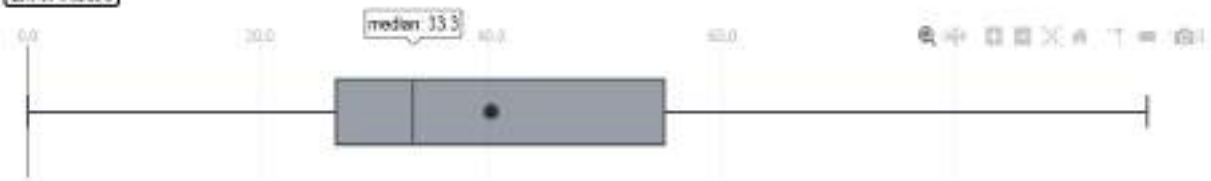
22% OF THIS SDG

SCORE
20.4 Energy use density

17% OF THIS SDG

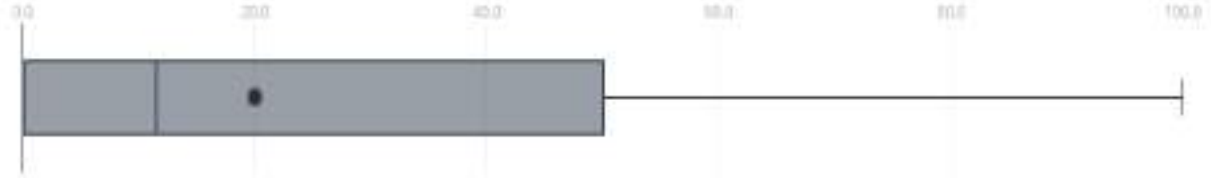
SCORE
40.0 Energy and the community

21% OF THIS SDG



SCORE
20.0 Low-carbon energy use

10% OF THIS SDG



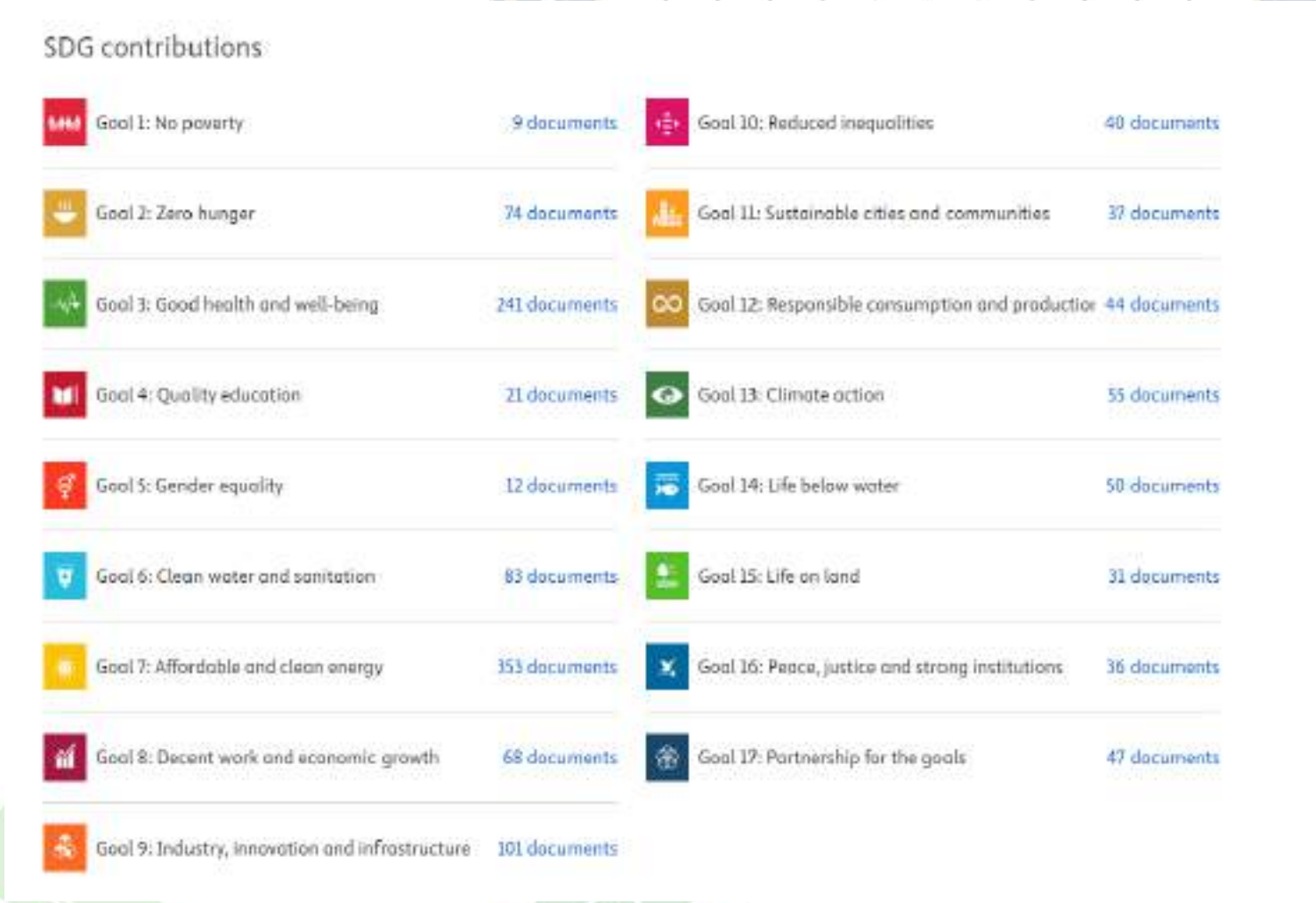
SDG FOCUSED RESEARCH

Introduction

Baku State University (BSU) is actively contributing to the global effort to achieve Sustainable Development Goal 7 (SDG 7), which aims to ensure access to affordable, reliable, sustainable, and modern energy for all. Research at BSU focuses on advancing clean energy technologies, enhancing energy efficiency, and promoting sustainable energy practices tailored to Azerbaijan's national context. Scholars at BSU are engaged in a wide range of studies, from solar and wind energy systems to hydrogen production, energy storage, and smart grid technologies. These initiatives not only address local energy challenges, such as reliance on fossil fuels and seasonal fluctuations in energy supply, but also contribute to global sustainability efforts by exploring innovative, low-carbon solutions. By combining experimental, computational, and applied research approaches, BSU researchers aim to foster technological innovation, support the transition to renewable energy sources, and strengthen Azerbaijan's role in the international clean energy landscape.

For all SDGs related articles please visit :

https://www.scopus.com/pages/organization/60071969#tab=sdgs



1. Authors: Mammadov F.M., Babanly D.M., Bakhtiyarli I.B., Babanly M.B.

Focus: Fe-Ga-Se system, particularly FeSe–Ga_2Se_3–Se region, solid-phase equilibria, and thermodynamic properties of ternary phases.

Methods: EMF measurements across 300–450 K; analysis of Gibbs energy, enthalpy, and entropy for compounds and solid solutions.

Findings: Stable solid solutions of Ga_2Se_3 and $FeGa_2Se_4$ with elemental Se; key thermodynamic functions calculated.

Recommendation: Provides foundational thermodynamic data for Fe–Ga–Se compounds.

Full text

2. Authors: Ali I., Imanova G.T., Agayev T.N., Kurniawan T.A., Yangkou M.X.
Focus: Hydrogen production via water splitting using nano-BeO photocatalyst.
Methods: Radiation–thermal conditions, electron paramagnetic resonance (EPR) for defect analysis.
Findings: 90–96% of non-equilibrium carriers reacted with adsorbed water; high catalytic activity at elevated temperatures.
Recommendation: Promising approach for scalable green hydrogen production.
Full text

3. Authors: Mammadov E.S., Kerimli F.S., Akhmedova N.F., Mammadov S.E., Mirzaliyeva S.E.Q.
Focus: Modification of ZSM-5 HTsVM zeolite with cerium oxide for bioethanol-to-hydrocarbon conversion.
Methods: Catalytic testing, structural analysis of CeO_2/HTsVM catalysts.
Findings: 3% CeO_2/HTsVM improved isomerization selectivity (~46%) and gasoline fraction met Euro 5 standards.
Recommendation: Efficient catalyst design for sustainable fuel production.
Full text

4. Authors: Azeem N., Iqbal M.W., Kumar A., Ismayilova N.A., Alrobei H.
Focus: Cs_2CuMoX_6 (X = Cl, Br) double perovskites for lead-free solar cells.
Methods: DFT calculations of structural, electronic, optical, and mechanical properties.
Findings: Thermodynamically stable, suitable band gaps (1.28 eV for Cl, 1.15 eV for Br); $Cs_2CuMoBr_6$ shows superior light absorption.
Recommendation: Potential materials for sustainable photovoltaics.
Full text

5. Authors: Bekpulatov I.R., Imanova G.T., Nabiev D.K., Jabarov S.H., Aliyev Y.I.
Focus: Effects of annealing on Mn_4Si_7 thin films.
Methods: Electrical and optical property characterization.
Findings: Increased crystal size enhanced carrier mobility and conductivity; suitable bandgaps for NIR applications.
Recommendation: Promising material for photodetectors, optoelectronics, and thermal imaging.
Full text

6. Authors: Zeeshan M., Gouadria S., Alharbi F., Iqbal M.W., Sunny M.A., +5 authors
Focus: CuMn-MOF doped with Ag nanoparticles for supercapattery applications.
Methods: Hydrothermal synthesis, electrochemical testing.

Findings: Capacity of 2800 C/g, 63 Wh/kg at 1690 W/kg, 90% retention over 12,000 cycles; excellent HER performance.
Recommendation: Material suitable for energy storage, hydrogen production, and portable electronics.
Full text

7. Authors: Ashraf M., Gouadria S., Alharbi F., Iqbal M.W., Sunny M.A., +5 authors
Focus: Correction to previous article on CuMn-MOF/Ag composites.
Methods: Updated grant number and author affiliation.
Findings: Correct grant RPFAP-59-1445; Haseebul Hassan affiliated with Riphah International University, Pakistan.
Recommendation: Ensures accurate record of research contributions.
Full text

8. Authors: Salmanova F.A., Salamov O.M., Mustafayeva R.M., Velizade I.E., Yusupov I.M.
Focus: Thermal performance of solar collectors for Azerbaijan's Absheron Peninsula.
Methods: 2D heat transfer modeling, numerical simulation via spline method in Turbo Pascal.
Findings: Reliable prediction of thermal efficiency; supports solar energy adoption in the region.
Recommendation: Useful for sustainable solar water heating design.
Full text

9. Authors: Isik M., Altuntaş G., Gasanly N.M.
Focus: Thermal stability and decomposition of gallium sulfide (GaS).
Methods: TGA, DTA, DSC analysis.
Findings: Stable up to 722 °C; decomposition above 786 °C; suitable for high-temperature electronics.
Recommendation: Candidate material for thermophotovoltaics and sensors.
Full text

10. Authors: Zeynalova A.O., Soltanova N.S., Gurbanova U.M., Aliyev A.S., Tagiyev D.B.
Focus: Co-deposition of Ni and Co from glycine-containing electrolytes.
Methods: Electrochemical analysis of thin film formation.
Findings: Cobalt-dominant amorphous Ni-Co films with excellent HER activity (Tafel slope 118 mV/dec).
Recommendation: Promising for electrocatalysis and energy applications.
Full text

11. Authors: Zeeshan M., Gouadria S., Alharbi F., Iqbal M.W., Sunny M.A., +5 authors
Focus: Correction of affiliation for Haseebul Hassan.
Methods: Updated affiliation information.
Findings: Corrected to Riphah International University, Pakistan.
Recommendation: Accurate attribution for publication record.
Full text

12. Authors: Gulahmadov O., Muradov M.B., Gahramanli L., Karimova A., Mammadyarova S., +3 authors
Focus: Fe_3O_4 nanoparticle-embedded nylon films for triboelectric nanogenerators (TENGs).
Methods: Spray coating and weak magnetic field application.
Findings: Enhanced voltage (56.3 V) and current (4.62 μA); improved energy harvesting.
Recommendation: Promising approach for sustainable energy and sensors.
Full text

13. Authors: Asgarov T.K., Ragimova N.A., Gadirova E.M.
Focus: Intelligent control and energy management systems for energy complexes.
Methods: SCADA architecture, smart grid technologies, ML and deep learning for data optimization.
Findings: Optimized real-time energy consumption; classification of smart system components.
Recommendation: Framework for efficient energy management and smart infrastructure.
Full text

14. Authors: Teymurova V.E., Abdullayeva S., Muradova K., Aslanova M.M., Bayramli M.
Focus: Environmental challenges and human capital in Azerbaijan.
Methods: Analysis of air pollution, land degradation, water scarcity, climate change, and economic impacts.
Findings: HDI fluctuations; low vocational education limits innovation; green technology adoption crucial.
Recommendation: Strengthen human capital and environmental strategies for sustainable growth.
Full text

15. Authors: Rauf M.A., Iqbal M.W., Sunny M.A., Alomayri T.S., Alotaibi M.T.
Focus: PANI@$MoSe_2$/Cr_2C hybrid electrode for supercapacitors.
Methods: Hydrothermal synthesis, electrochemical testing.
Findings: High energy (72.92 Wh/kg) and power density (400 W/kg); excellent cycling stability; efficient HER performance.
Recommendation: Promising for energy storage and catalytic applications.
Full text

16. Authors: Mukhametov A.E., Moreva E.L., Bayramli M., Smirnov A.V., Egorov I.
Focus: SMART diversification strategies for Arabian Peninsula economies.
Methods: Economic structure and oil price analysis (1970–2023), modeling digital and renewable sectors.
Findings: Emphasis on renewables, food production, and technology for sustainable growth.
Recommendation: Guide for resilient regional economic development.
Full text

17. Authors: Aligayev A.K., Jabbarli U., Samadova U.F., Papanikolaou S., Huang Q.
Focus: Hydrogen production and dissociation from ammonia and methane on graphene.
Methods: Multi-scale computational modeling of pristine and Ni-doped graphene.
Findings: Ni-doped graphene improves adsorption, hydrogen transmission, and gas separation efficiency.
Recommendation: Suitable for hydrogen production, gas sensing, and catalysis.
Full text

Baku State University

2025 REPORT ON

8 DECENT WORK AND ECONOMIC GROWTH

Introduction

Sustainable Development Goal 8 (SDG 8) aims to promote sustained, inclusive, and sustainable economic growth, productive employment, and decent work for all. Higher education institutions play a critical role in advancing this goal by fostering human capital development, supporting research and innovation, and strengthening linkages between academia, industry, and public institutions. Universities contribute to SDG 8 not only through education and skills development but also by generating knowledge that informs policies related to labor markets, economic growth, and sustainable development.

Baku State University (BSU) actively contributes to the achievement of SDG 8 through a range of academic, research, and institutional initiatives. These include programs designed to enhance students' employability, expand internship and training opportunities, and facilitate engagement with employers and industry partners. Career fairs, professional development workshops, and collaborative projects with national institutions and private sector organizations provide students and graduates with practical experience and valuable professional networks.

This report presents BSU's activities and initiatives aligned with SDG 8, highlighting the university's efforts to support youth employment, promote decent work, and strengthen the integration of graduates into the labor market. It also outlines the university's research contributions addressing economic development, labor market dynamics, and sustainable growth, thereby demonstrating BSU's commitment to advancing national and global sustainable development priorities.

For previous year`s report, please see

https://sdg.bsu.edu.az/report-on-sdg-8-decent-work-and-economic-growth

Decent Work and Economic Growth

Twelve of the participants who successfully completed the second Maarifchi internship program are students and alumni of BSU

Students and alumni of BSU achieved strong results in the second "Maarifçi" student-alumni internship program, organized by the Ministry of Science and Education with support from the Education Development Fund.

Out of 35 participants who successfully completed the 3-month internship in various institutions, 12 were BSU students and alumni.

The program aims to develop human resources in science and education, improve participants' practical skills and sector knowledge, introduce modern educational approaches, and support the implementation of education reforms.

For More Information, Please Click Here

The employment status of BSU graduates has been analyzed

The National Observatory for Labor Market and Social Protection Issues presented a report analyzing the employment status of Baku State University graduates.

According to Elnur Safarli, the analysis was based on data from 47,199 students, 23,978 graduates, and 12,500 employed individuals.

BSU Rector Elchin Babayev noted that the findings are important for improving graduates' integration into the labor market and strengthening students' future career prospects.

The study identified the top 15 disciplines with the highest employment rates, with Economics and Management and Agriculture leading. Strong employment outcomes were also observed among graduates of Geology, Hydrometeorology, and Management.

The report also compared employment rates between BSU's main campus and the Gazakh branch, analyzed employment trends across fields of study, and examined average salary indicators. Based on the results, new programs will be introduced to help students transition more smoothly into professional life.

For More Information, Please Click Here

7 students of Baku State University will participate in SOCAR Young Talents Program

Students of BSU have successfully passed the selection stages of **SOCAR's "Young Talents Program" and qualified to participate.

The selected students are Nurtac Khalilova and Aysel Allahverdiyeva (Law), Fidan Mahmudova, Saida Akhundlu, Nubar Mustafayeva, and Ulkar Mirzəzade (Chemical Engineering), and Fidan Aliyeva (Geology and Geophysics Engineering).

During the five-month program, students will gain practical experience at SOCAR enterprises, participate in professional training sessions, and receive a stipend. High-performing participants may also receive employment opportunities after completing the program.

The "Young Talents Program" aims to support the development of motivated Azerbaijani students studying at universities in Azerbaijan and abroad by helping them strengthen their professional skills, practical knowledge, and teamwork abilities.

For More Information, Please Click Here

New job experience opportunities for BSU students and alumni discussed

Representatives of the Career and Alumni Relations Center of (BSU) met with Aydan Hashimova, Director of ATL Academy, and Khanim Huseynzade, Head of the Sales Department.

The meeting focused on strengthening students' and alumni's connection with the labor market, expanding internship opportunities, and increasing access to job vacancies. The participants also discussed initiatives to

improve students' technical skills and implement joint projects and scholarship programs.

Both sides emphasized the importance of cooperation to prepare qualified specialists in line with labor market needs, support young people's integration into the professional environment, and contribute to their career development.

For More Information, Please Click Here

The 4th-year students of the Faculty of Biology at BSU are currently undergoing industrial practice

Fourth-year students of the Faculty of Biology at Baku State University (BSU) are currently completing their industrial internships in the fields of Biology, Biotechnology, Aquatic Bioresources and Aquatic Plants, and Plant Protection.

The students are gaining practical experience at several institutions, including the Agricultural Services Agency under the Ministry of Agriculture of the Republic of Azerbaijan, the Vegetable Science Research Institute, the Institute of Botany of the Ministry of Science and Education of Azerbaijan, the Institute of Molecular Biology and Biotechnology of the Ministry of Science and Education of Azerbaijan, and the Institute of Zoology of the Ministry of Science and Education of Azerbaijan.

During the internship, students learn laboratory methods such as analyzing nitrogen, protein, phosphorus, sugar, acidity, soil elements, and pH levels, as well as seed

quality testing. They also study plant cultivation technologies, fertilizer analysis, soil research methods, and gain experience working with laboratory equipment.
In addition, students explored zoological and botanical research practices, including modern methods for studying vertebrates and invertebrates, geobotanical zoning, vegetation classification, and herbarium preparation and preservation.

For More Information, Please Click Here

Networking session held at BSU within the Career Festival framework

A Networking Session was organized within the Career Festival at BSU in collaboration with the State Employment Agency of Azerbaijan, PASHA Holding, the BSU Student Trade Union Committee, the BSU Career and Alumni Center, and the BSU Volunteers.
Speakers Fidan Khubanli, Senior Recruitment Specialist, and Zulfiya Heydarova, HR Administrative Assistant at PASHA Holding, informed students about career planning, recruitment stages, CV writing, and job interview tips, as well as internship and career opportunities at the company.
Students also presented their CVs and received individual feedback, helping them identify weaknesses and better understand employer expectations. The session concluded with a Q&A discussion.

For More Information, Please Click Here

Awareness training on Labor Rights and Legislation held at BSU

An awareness training on “Labor Rights and Legislation” was held at Baku State University (BSU) within the framework of cooperation with the National Observatory on Labor Market and Social Protection Issues of Azerbaijan under the Ministry of Labor and Social Protection of the Population of Azerbaijan. The training aimed to increase students’ awareness of labor rights, provide legal knowledge about employment relations, and help them better prepare for the labor market. The event was initiated by BSU’s Quality Assurance Center. During the session, Gunel Bakhshiyeva from the State Labor Inspection Service of Azerbaijan explained key aspects of labor legislation, including employee and employer rights and responsibilities, labor contracts, working conditions, social protection mechanisms, and state supervision.

The training was conducted in an interactive format, allowing students to participate in discussions, ask questions, and gain a clearer understanding of their rights in employment relations.

For More Information, Please Click Here

Opening ceremony of the Career Festival held at BSU

The Career Festival was officially opened at Baku State University (BSU), jointly organized by the State Employment Agency of Azerbaijan and the BSU Student Trade Union Committee.

More than 100 leading employers are offering over 1,200 job vacancies and around 500 scholarship opportunities for BSU students and graduates. The festival, held in an open-door format, is also attended by students and graduates from other universities and job seekers.

In his speech, BSU Rector Elchin Babayev highlighted that the festival aims to connect students with leading organizations, support their integration into the labor market, and enhance career opportunities.

Speakers including Ulvi Abbasguliyev, Deputy Chairman of the State Employment Agency, and Nijat Asadli, Deputy Director of the State Agency for Science and Higher Education of Azerbaijan, emphasized the importance of cooperation between universities and employers and adapting education to modern labor market demands.

During the festival, participants can interact with employers, submit CVs, apply for vacancies, and take part in interview simulations, as well as trainings, workshops, and seminars designed to develop their professional skills.

For More Information, Please Click Here

4 BSU SABAH group graduates Join the III "Maarifchi" Student-Graduate Internship Program

Four graduates from the SABAH groups of Baku State University (BSU) — Javidan HajiAliyev (Chemistry Education), Mirana Agayeva (Law), Rugayya Khidirova (Physics Education), and Ilqara Mirzayeva (Physics Education) — have been selected for the third cycle of the "Maarifchi" Student-Graduate Internship Program.

Within the program, participants will complete internships at departments and structural units of the Ministry of Science and Education of the Republic of Azerbaijan and its affiliated institutions.

The program aims to enhance students' knowledge and skills, provide practical work experience, and help them apply theoretical knowledge in real professional environments.

For More Information, Please Click Here

Meeting held at BSU to strengthen relations with employers

A meeting was held between the Career and Alumni Center of Baku State University (BSU) and the faculties' deputy deans responsible for social affairs and student relations to discuss supporting students' and alumni's career development and strengthening university–employer cooperation.

During the meeting, Gunel Qurbanova, Head of the Career Planning Department, presented the Center's services, projects, and events

for students, alumni, and employers. She noted that key priorities include analyzing students' career needs by faculty, monitoring alumni employment statistics, and strengthening alumni–student connections.

Participants also discussed improving the alumni database, enhancing information exchange, and expanding joint activities between faculties and the Center to help students and graduates integrate more effectively into the labor market. Deputy deans shared suggestions for new projects, events, and database development.

For More Information, Please Click Here

Round table dedicated to the World Day for Decent Work held at BSU

A round table dedicated to the **World Day for Decent Work** was held at **Baku State University (BSU)**, organized by the university's Trade Union Committee.

Professor **Alish Gasimov** discussed the concept of decent work, the efforts of the Azerbaijani state and trade unions to protect labor rights, and the importance of this international day.

Uzeyir Shafiyev, Head of the Social Work Department, spoke about current labor law

issues and provided a comparison between Azerbaijan's labor legislation and foreign practices.

Senior lecturer **Farida Aslanova** addressed the **prevention of discrimination in labor relations** and the conditions necessary to ensure decent work.

The event concluded with an **interactive discussion and Q&A session** with participants.

For More Information, Please Click Here

A specialized career fair "A Bridge to a Professional Future" to be held at BSU

A specialized Career Fair titled "A Bridge to a Professional Future" will be held on October 21 by the Career and Alumni Relations Center of Baku State University (BSU).

The event will bring together students and graduates with 12 leading banks in the country, aiming to support their successful integration into the labor market.

The fair will also include workshops, seminars, and training sessions to help participants develop their professional knowledge and skills.

For More Information, Please Click Here

8 DECENT WORK AND ECONOMIC GROWTH

Expanding employment opportunities for students and graduates at BSU

A meeting was held between the Career and Alumni Relations Center of Baku State University (BSU) and representatives of the Eastern Zangezur Regional Employment Branch to discuss expanding employment opportunities for students and graduates and strengthening cooperation with state institutions.

During the meeting, Gunel Qurbanova presented the Center's career services, projects, internships, scholarships, and employer-submitted vacancies. Representatives of BSU highlighted that cooperation with regional companies could help students establish direct connections with employers.

The parties also discussed organizing a joint specialized Career Fair. It was noted that 114 companies in the construction and manufacturing sectors operate in Eastern Zangezur, and inviting them to the fair would help students and graduates become more familiar with the real working environment and career opportunities.

For More Information, Please Click Here

BSU hosts specialized career fair "A bridge to a professional future"

A specialized Career Fair titled "A Bridge to a Professional Future" is being held at Baku State University (BSU), organized by the University's Career and Alumni Relations Center and dedicated to the fifth anniversary of the nation's Second Nagorno-Karabakh War Victory.

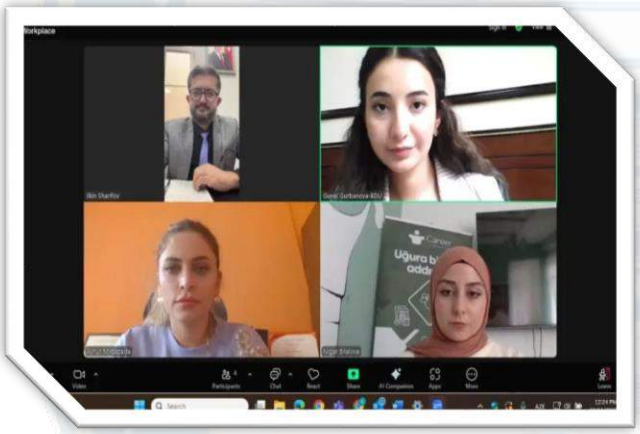
The event features 12 leading banks offering various job vacancies and internship opportunities, with more than 2,000 students and graduates expected to participate.

At the opening ceremony, BSU Vice-Rector Alish Agamirzayev emphasized that graduate employment is a key indicator of a university's success. He noted that BSU regularly organizes Career Festivals with over 100 companies and plans to hold specialized career fairs by field each month to strengthen links between education and labor market demands.

The fair also includes workshops, seminars, and training sessions aimed at developing students' professional skills. The event will conclude with a networking meeting between company representatives and the Career Center to discuss future cooperation and partnership opportunities.

For More Information, Please Click Here

Career fair “A bridge toward a professional future” to be held at BSU



The Career and Alumni Center of Baku State University (BSU) will organize the next specialized career fair titled “A Bridge Toward a Professional Future” on October 29.

The event will bring together leading companies in IT, digital marketing, data, programming, and innovation, aiming to connect students and graduates with top technology employers. Participants will have the opportunity to learn about technology-related job vacancies, internships, scholarships, and volunteering opportunities.

The fair will also include workshops, seminars, and training sessions to help students and graduates develop their professional and digital skills.

For More Information, Please Click Here

The next specialized Career Fair entitled "A Bridge Toward a Professional Future" was held at BSU

A specialized Career Fair titled "A Bridge Toward a Professional Future" was held at Baku State University (BSU), organized by the University's Career and Alumni Relations Center and dedicated to the fifth anniversary of Azerbaijan's historic Victory.

At the opening ceremony, BSU Vice-Rector Alish Agamirzayev stated that the key indicator of a university's success is the employability of its graduates. He noted that BSU has begun organizing specialized career fairs by field, replacing the traditional large-scale events.

Following the previous fair, where 12 major banks offered jobs and internships in economics fields, the current event brought together 10 leading IT and innovation companies, providing vacancies, internships, and scholarship opportunities for over 2,000 students and graduates.

The fair also included workshops, seminars, and interactive training sessions to support students' personal and professional development.

For More Information, Please Click Here

Visit of BSU students to “Herba-Flora” LLC for practical training

Fourth-year students of the “Food Engineering” program at the Faculty of Biology of Baku State University (BSU) took part in a practical training session at Herba-Flora LLC within the course “Technological Processes in the Food Industry.”

The session, led by Associate Professor Chingiz Aliyev, introduced students to modern technological lines used in food production and public catering, as well as equipment in the enterprise’s chemical analysis laboratory.

Students observed the structure and operation of machinery used in the food and pharmaceutical industries, visited the plant raw material storage facility, and learned about quality preservation, packaging, and transportation processes. They were also shown the technological scheme for sesame oil production.

For More Information, Please Click Here

Training held at BSU within the “Career Path” project

The Career and Alumni Relations Center of Baku State University (BSU) organized another training within the “Career Path” project on “LinkedIn and Personal Branding.”

The session was delivered by Mikayıl Tagiyev, a representative of the Central Career Branch of the State Employment Agency of Azerbaijan. Participants received guidance on using LinkedIn effectively, building a personal brand, developing professional networks, and creating strong profiles.

The trainer also shared practical tips on profile photos, headlines, summaries, experience sections, and networking strategies, emphasizing that LinkedIn is an

important platform for professional growth in the modern labor market. Students actively participated in discussions and gained useful practical advice.

For More Information, Please Click Here

"Career Path – 2" project successfully completed at BSU

The "Career Path – 2" project, organized by the Career and Alumni Relations Center of Baku State University (BSU) for first- to third-year students, has been successfully completed.

A total of 28 students were selected through preliminary interviews and participated in trainings on career planning, self-discovery,

labor market research, SMART goal setting, CV writing, interview preparation, and LinkedIn profile creation.

During the program, each participant received a professionally prepared CV and LinkedIn profile, and gained practical experience through interactive discussions, group work, and recruitment process simulations.

For More Information, Please Click Here

State Employment Agency delivers training at BSU on "Labour market requirements"

A training session on "Labour Market Requirements" was held at Baku State University (BSU) within the specialized Career Fair "Bridge to a Professional Future," dedicated to the fifth anniversary of Azerbaijan's historic Victory.

The event was organized by the BSU Career and Alumni Relations Center together with the State Employment Agency of Azerbaijan and its Eastern Zangazur Regional Employment Branch.

The training was delivered by Arzu Khalilova, Senior Specialist at the State

Employment Agency. She informed students and graduates about labour market trends, employer expectations, emerging professions, and career planning.

Participants also received practical advice on adapting to labour market changes, building a personal brand, and preparing effective CVs and motivation letters.

For More Information, Please Click Here

Training by the State Employment Agency held at BSU

A training session titled “Start Your Career!” was held at Baku State University (BSU) within the framework of the “Adaptation Program,” organized by the BSU Career and Alumni Center and delivered by Sura Azizli, Senior Specialist at the Career Planning Department of the State Employment Agency.

The training addressed both theoretical and practical aspects of career development. Participants received comprehensive guidance on identifying their individual potential, exploring opportunities in the labor market, developing goal-oriented career action plans, and regularly evaluating their progress.

During the session, particular attention was given to the transformation of the labor market from the 20th to the 21st century. It was emphasized that in the modern labor market, the question “What can I do?” has become more significant than “Who will I be?”, reflecting the growing importance of skills and competencies over fixed career paths.

The training also provided detailed information on key competencies currently in high demand in the labor market, including analytical thinking, effective communication, teamwork, programming, project management, adaptability, and emotional intelligence. Participants were encouraged to begin planning their careers from the early stages of their university education.

In addition, the session covered important topics such as researching vacancies and professions, monitoring internship opportunities, analyzing labor market trends, engaging in volunteer activities, developing foreign language and digital skills, and the role of mentorship in professional development. The training contributed to increasing students' awareness of career planning and strengthening their preparedness for successful integration into the labor market.

For More Information, Please Click Here

BSU and AIB expand cooperation on students' career development

A meeting was held between the Career and Alumni Relations Center of Baku State University (BSU) and representatives of Azerbaijan International Bank (ABB) OJSC to discuss opportunities for strengthening students' professional development and implementing joint initiatives.

The meeting was attended by Gunel Gurbanova, Head of the Career Planning Department, Chief Specialist Ilkin Sharifov, and Consultant Malakhanim

Gurbanova from BSU, as well as Vasif Naibov, Lead Product Owner, and Sabina Mammadova, Lead Customer Experience Specialist, representing ABB.

During the meeting, Gunel Gurbanova provided an overview of the Center's activities, services offered to students and graduates, and ongoing projects aimed at improving career readiness. She emphasized that expanding cooperation with employers and industry partners remains one of the Center's strategic priorities. ABB representatives introduced several proposals designed to enhance students' professional and financial competencies. In particular, they presented the "Faydamania" project, which aims to improve financial literacy among young people. The initiative focuses on developing students' knowledge of personal budgeting, effective use of banking services, and responsible financial decision-making.

The discussion also covered potential areas of future cooperation, including the implementation of startup-oriented projects, hackathons, training sessions, and seminars, as well as internship programs at ABB that would provide students with practical experience in a real working environment. Bank representatives expressed their willingness to support these initiatives through both technical expertise and mentorship.

The meeting was considered an important step toward strengthening university–industry collaboration and expanding opportunities that support students' career development and successful integration into the labor market.

For More Information, Please Click Here

MLSPP holds an information session for BSU students on the advantages of civil service

An information session titled “Advantages of Civil Service, Reforms, and Future Prospects” was organized at Baku State University (BSU) by the Ministry of Labor and Social Protection of the Population (MLSPP) to raise students’ awareness of career opportunities in the civil service sector.

The event was attended by Elshad Aliyev, Deputy Head of the Civil Service and Human Resources Department of the MLSPP Apparatus; Hasanaga Huseynov, Chief Adviser of the same department; and Ramin Samedov, Head of the Department of Humanitarian Affairs and Youth Policy of BSU, along with academic staff and undergraduate and master’s students from various faculties.

During the session, speakers provided information on the advantages of civil service, ongoing reforms, and future development prospects within the framework of the Employment Strategy for 2020–2025. The presentation also highlighted opportunities for young professionals to build careers in the public sector and contribute to national development.

For More Information, Please Click Here

Conclusion

Baku State University plays a significant role in supporting the objectives of Sustainable Development Goal 8 by fostering an environment that promotes employability, professional development, and sustainable economic growth. Through strategic partnerships with governmental institutions, private sector organizations, and international partners, BSU strengthens the connection between higher education and labor market needs.

The university's initiatives—including career festivals, specialized career fairs, internship programs, professional training sessions, and employer engagement activities—provide students and graduates with opportunities to develop practical skills, expand professional networks, and access employment opportunities. These activities contribute to improving graduate employability and facilitating a smoother transition from education to the workforce.

Furthermore, research conducted at BSU contributes to a deeper understanding of economic growth, labor market challenges, environmental sustainability, and technological transformation. By integrating research, education, and industry collaboration, BSU supports evidence-based approaches to sustainable development and inclusive economic progress.

Overall, the university's ongoing efforts demonstrate a strong institutional commitment to advancing decent work, supporting youth employment, and contributing to sustainable economic development in Azerbaijan in line with the principles and targets of SDG 8.

SDG Focused Memberships

CANIE
climate action network

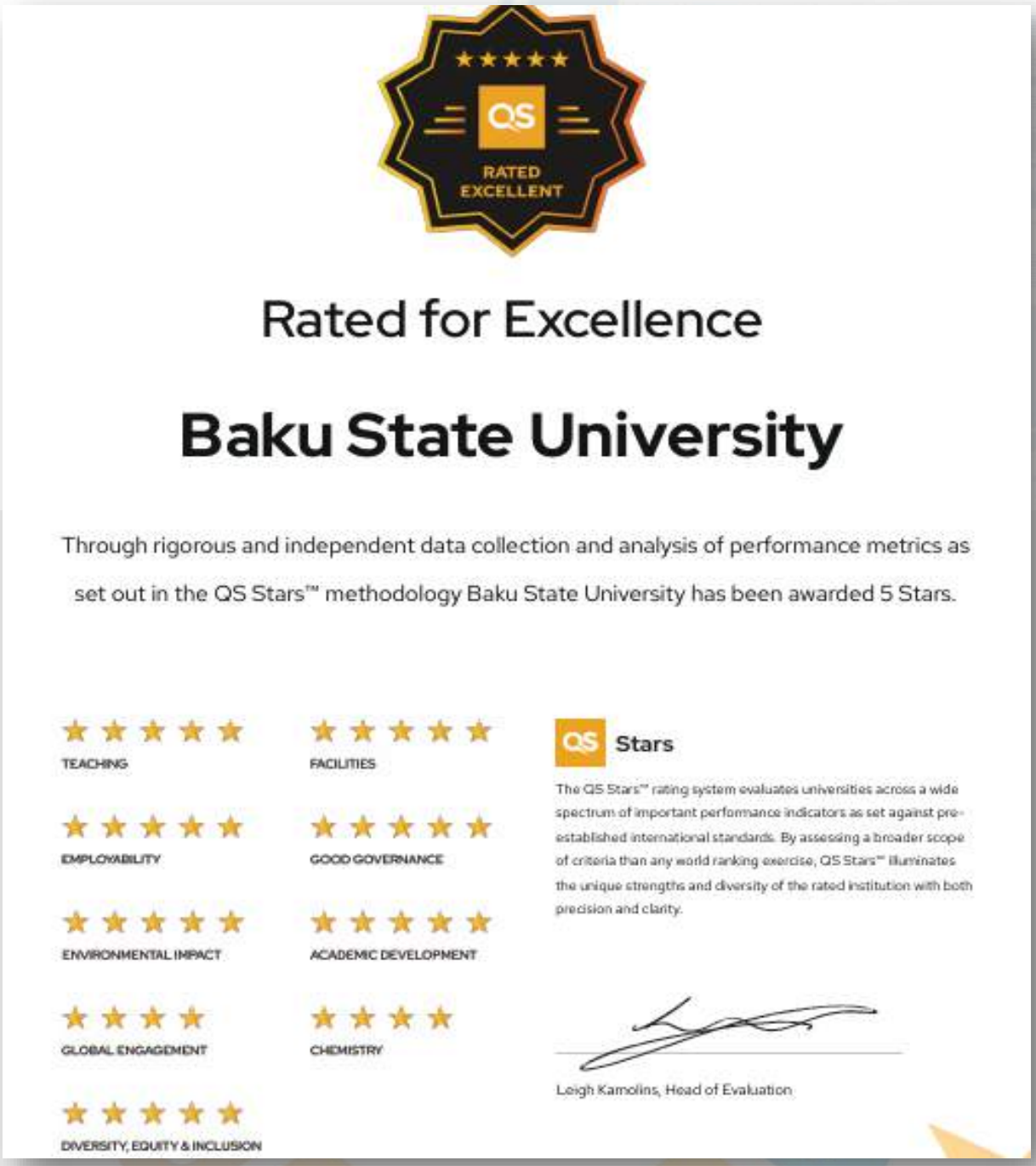
aashe member
The Association for the Advancement of Sustainability in Higher Education

ISCN
International Sustainable Campus Network

WAITRO

GUNI
GLOBAL UNIVERSITY NETWORK FOR INNOVATION

SDG Focused Ranking Results



QS RATED EXCELLENT

Rated for Excellence

Baku State University

Through rigorous and independent data collection and analysis of performance metrics as set out in the QS Stars™ methodology Baku State University has been awarded 5 Stars.

TEACHING ★★★★★

FACILITIES ★★★★★

EMPLOYABILITY ★★★★★

GOOD GOVERNANCE ★★★★★

ENVIRONMENTAL IMPACT ★★★★★

ACADEMIC DEVELOPMENT ★★★★★

GLOBAL ENGAGEMENT ★★★★

CHEMISTRY ★★★★

DIVERSITY, EQUITY & INCLUSION ★★★★★

QS Stars

The QS Stars™ rating system evaluates universities across a wide spectrum of important performance indicators as set against pre-established international standards. By assessing a broader scope of criteria than any world ranking exercise, QS Stars™ illuminates the unique strengths and diversity of the rated institution with both precision and clarity.

Leigh Kamolins, Head of Evaluation

UI GreenMetric
UNIVERSITAS INDONESIA
UI GreenMetric World University Rankings 2025
CERTIFICATE
This certificate is awarded to
Baku State University
as The 493rd World's Most Sustainable University
in 2025 UI GreenMetric World University Rankings
5 December 2025
Dr. Vishnu Juwono, S.E., MIA
Chairperson of UI GreenMetric

8 DECENT WORK AND ECONOMIC GROWTH

4. RANKING IN AZERBAIJAN

Country Ranking	SI Ranking	EC Ranking	WS Ranking
1	2	11	3

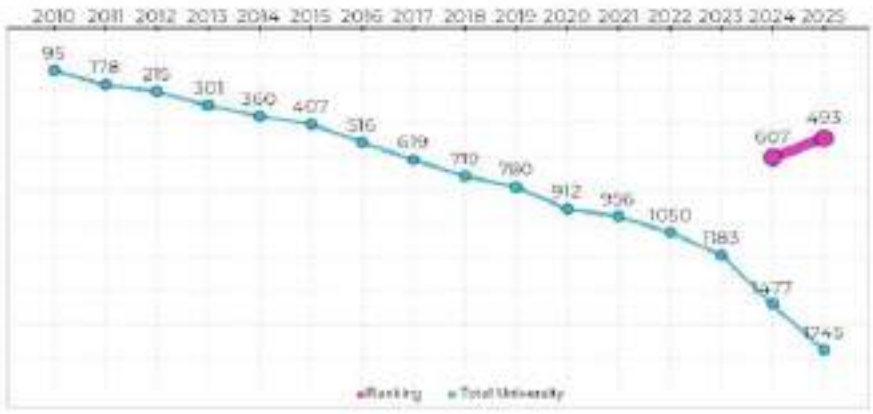
WR Ranking	TR Ranking	ED Ranking
5	1	2

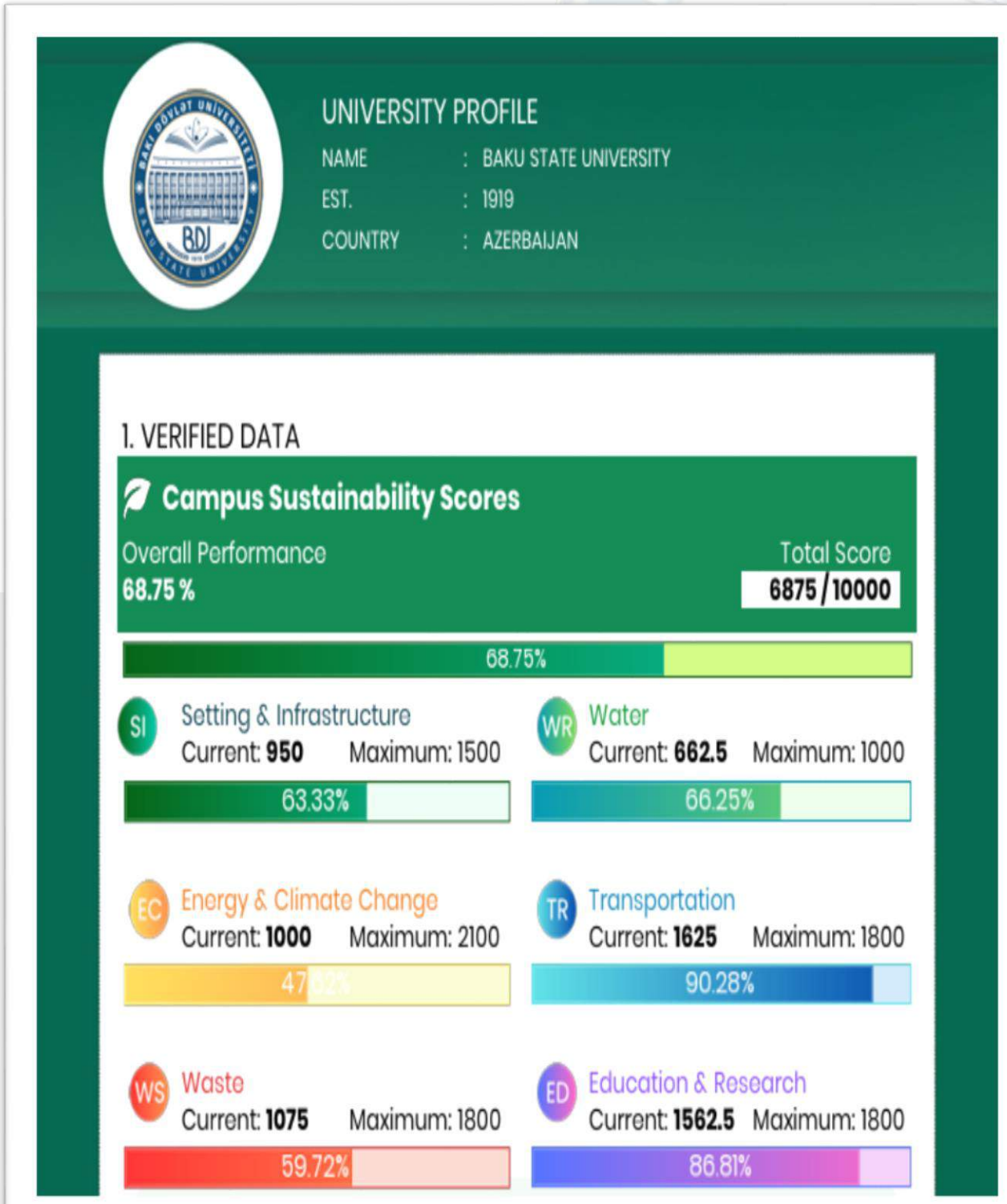
2. RESULTS SUMMARY

World Ranking	SI Ranking	EC Ranking	WS Ranking
493	660	1102	654

WR Ranking	TR Ranking	ED Ranking
607	98	239

3. WORLD RANKINGS HISTORY

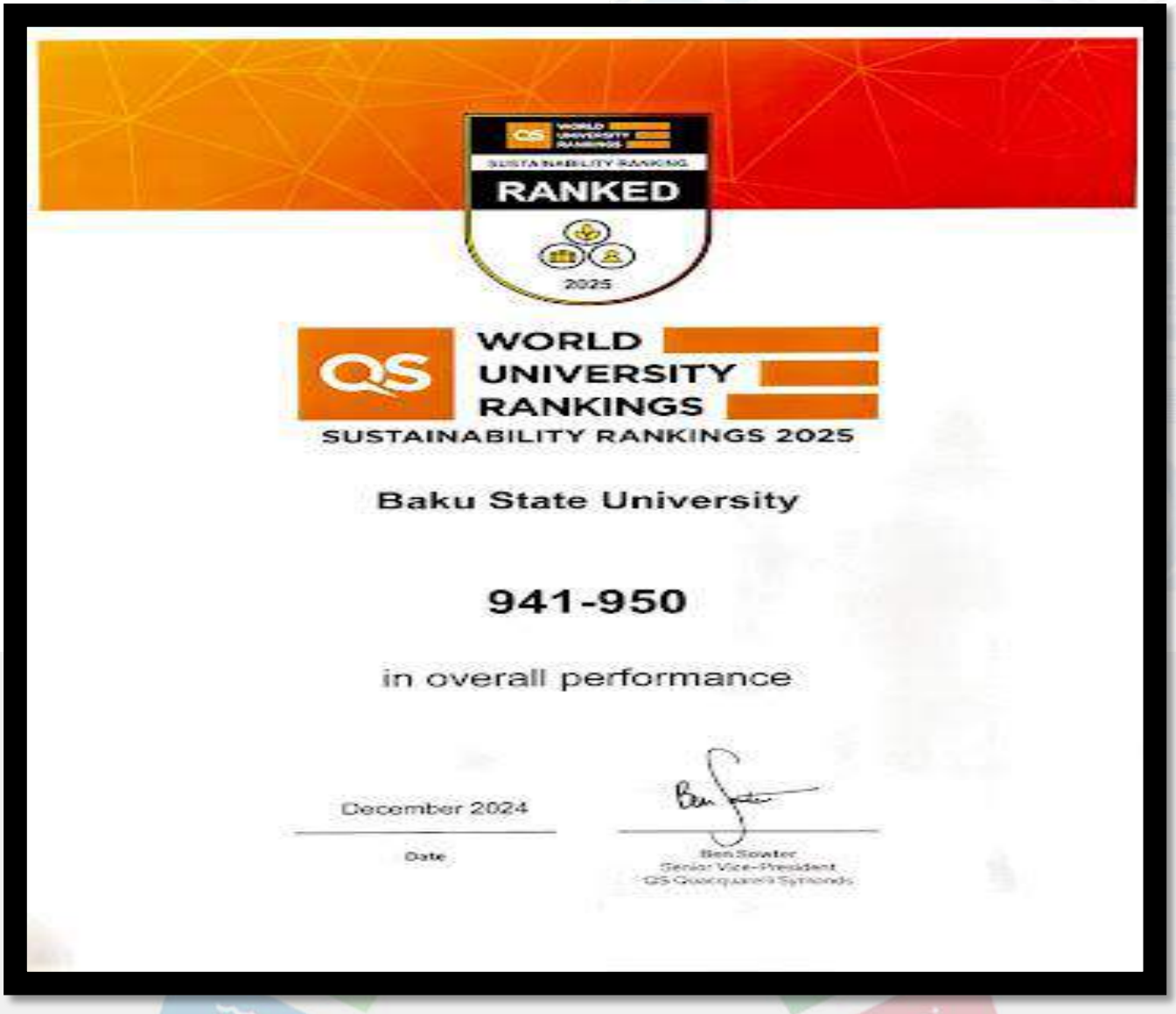



UNIVERSITY PROFILE
NAME : BAKU STATE UNIVERSITY
EST. : 1919
COUNTRY : AZERBAIJAN
1. VERIFIED DATA
Campus Sustainability Scores
Overall Performance
68.75 %
Total Score
6875 / 10000
68.75%
SI Setting & Infrastructure
Current: 950 Maximum: 1500
63.33%
WR Water
Current: 662.5 Maximum: 1000
66.25%
EC Energy & Climate Change
Current: 1000 Maximum: 2100
TR Transportation
Current: 1625 Maximum: 1800
90.28%
WS Waste
Current: 1075 Maximum: 1800
59.72%
ED Education & Research
Current: 1562.5 Maximum: 1800
86.81%

8 DECENT WORK AND ECONOMIC GROWTH

THE IMPACT RANKINGS

8 DECENT WORK AND ECONOMIC GROWTH



THE IMPACT RANKINGS

OVERALL RANK

401–600 out of **2318** institutions

8 DECENT WORK AND ECONOMIC GROWTH

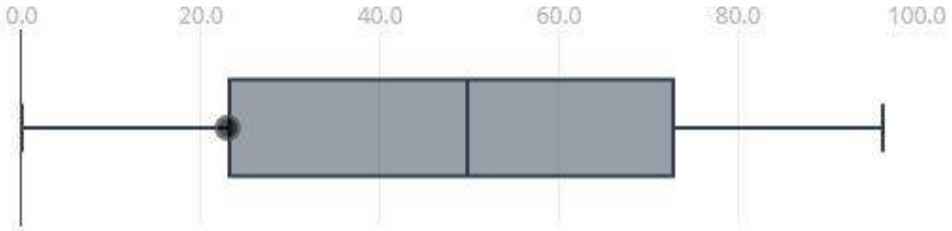
SCORE
66.7

RANK
201–300 out of 1350 institutions

SCORE
23.0

Research on economic growth and employment

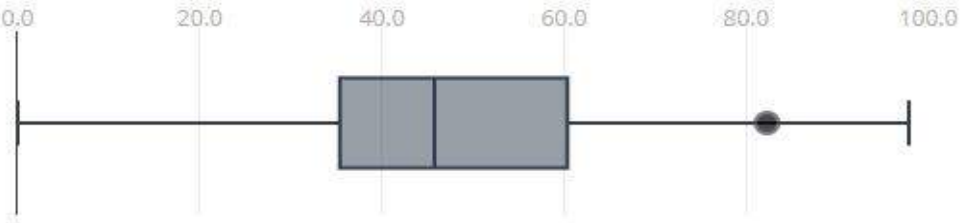
27% OF THIS SDG



SCORE
82.3

Employment practice

19.6% OF THIS SDG



SCORE
63.9

Expenditure per employee

15.4% OF THIS SDG

SCORE
63.9

Expenditure per employee

15.4% OF THIS SDG

SCORE
96.5

Proportion of students taking work placements

10% OF THIS SDG

SCORE
85.0

Proportion of employees on secure contracts

10% OF THIS SDG

Research on SDG 8

Introduction

Research at Baku State University actively contributes to advancing **Sustainable Development Goal 8 (SDG 8)** by exploring strategies that promote inclusive and sustainable economic growth, employment, and decent work opportunities. Scholars at BSU examine the dynamics of Azerbaijan's labor market, workforce development, and the role of innovation and human capital in driving economic resilience. Studies highlight pressing issues such as youth employment, gender gaps in the workforce, rural–urban disparities, and the impact of globalization on local economies.

Interdisciplinary research also focuses on the intersection of **economic growth with sustainability and technological transformation**, emphasizing the importance of digitalization, entrepreneurship, and diversification beyond traditional sectors such as oil and gas. Collaborations with international partners further expand BSU's role in addressing structural labor market challenges, aligning educational outcomes with industry needs, and fostering policy recommendations for inclusive growth.

Through this body of work, BSU supports Azerbaijan's commitment to achieving SDG 8 by promoting stronger links between higher education, business, and government while ensuring that economic progress is coupled with social equity and sustainability.

For all SDGs related articles please visit:

https://www.scopus.com/pages/organization/60071969#tab=sdgs

SDG contributions

Goal 1: No poverty	9 documents	Goal 10: Reduced inequalities	40 documents
Goal 2: Zero hunger	74 documents	Goal 11: Sustainable cities and communities	37 documents
Goal 3: Good health and well-being	241 documents	Goal 12: Responsible consumption and production	44 documents
Goal 4: Quality education	21 documents	Goal 13: Climate action	55 documents
Goal 5: Gender equality	12 documents	Goal 14: Life below water	50 documents
Goal 6: Clean water and sanitation	83 documents	Goal 15: Life on land	31 documents
Goal 7: Affordable and clean energy	353 documents	Goal 16: Peace, justice and strong institutions	36 documents
Goal 8: Decent work and economic growth	68 documents	Goal 17: Partnership for the goals	47 documents
Goal 9: Industry, innovation and infrastructure	101 documents		

1. Authors: Teymurova V.E., Abdullayeva S., Dunyamaliyeva V.R., Muradova K., Bayramli M.

Focus: Human capital challenges in Azerbaijan (2000–2024), with emphasis on skilled labour shortages and ageing population.

Methods: Surveys in rural and urban regions measuring workforce availability and demographic impacts.

Findings: 30% of rural and 35% of urban respondents report difficulty finding qualified workers; ageing intensifies labour market strain.

Recommendation: Requires coordinated efforts between government, business, and education sectors to address demographic and workforce challenges.

Full text

2. Authors: Khan A., Liu D., Zheng J., Ibrahimova U.F., Ahmad I.

Focus: Melatonin pre-treatment for cadmium (Cd) stress tolerance in cotton seedlings.

Methods: Growth experiments under Cd stress; physiological and gene expression analyses.

Findings: Melatonin improved elshan growth, nutrient uptake, antioxidant activity, hormone balance, and photosynthesis; upregulated key transcription factors.

Recommendation: Melatonin pre-treatment could mitigate Cd toxicity and enhance crop productivity in contaminated soils.

Full text

3. Authors: Karim M.R., Sultana S., Altaf U.N.M., Islam M.R., Rahman F., +7.

Focus: Triple-defense strategy (KNO_3, H_2O_2, $CaCl_2$) to enhance salt stress tolerance in tomato plants.

Methods: Combined vs. individual applications under 100 mM NaCl stress.

Findings: Combined treatment significantly improved plant growth, nutrient uptake, and antioxidant defense compared to individual treatments.

Recommendation: Offers a promising integrated solution for improving crop resilience to salinity.

Full text

4. Authors: Hasano R.I., Rustamov T., Alibeyli A., Huseynova E., Safarli A.
Focus: Military spending and economic growth in Azerbaijan, Armenia, and Georgia (1996–2022).
Methods: Econometric analysis of military expenditure and GDP per capita.
Findings: Azerbaijan shows two-way causality between military spending and GDP; in Armenia and Georgia, growth drives defense spending.
Recommendation: Highlights ethical and geopolitical implications for policymaking in national security and regional stability.
Full text

5. Authors: Teymurova V.E., Abdullayeva S., Muradova K., Aslanova M.M., Bayramli M.
Focus: Environmental challenges and their economic impact in Azerbaijan.
Methods: Analysis of economic-environmental linkages and role of education/innovation.
Findings: Education, green technology adoption, and international cooperation are crucial for sustainable growth.
Recommendation: Strengthening human capital is essential to mitigate environmental risks and enhance competitiveness.
Full text

6. Authors: Li J., Mirzayeva A., Pak E., Akhundova A.H.G., Panjieva N.
Focus: Sustainable tourism's role in preserving and transforming cultural landscapes.
Methods: Literature review (2017–2024) and comparative case studies (Poland, Georgia, Indonesia).
Findings: Europe shows broader adoption; developing countries face structural barriers (funding, policies, awareness).
Recommendation: Government support and community engagement are essential for success in sustainable tourism.
Full text

7. Authors: Mukhametov A.E., Moreva E.L., Bayramli M., Smirnov A.V., Egorov I.

Focus: SMART diversification strategy for Arabian Peninsula economies.
Methods: Strategic framework analysis in context of global market volatility.
Findings: Digital technologies, renewables, and tourism are key to reducing oil dependency.
Recommendation: Strengthen resilience and political stability to support long-term diversification.

Full text

8. Authors: Najafov B.A., Nasirov S.N.

Focus: Solar-hydrogen energy through plasma-deposited thin-film solar cells.
Methods: Study of a−Si1−xCx:H, a−C:H, and nc-C:H bilayer cells with p-i-n structures.
Findings: Highest efficiency 9.6% with nc-C:H-based cells; radiation during production improved film quality, while post-production radiation harmed stability.
Recommendation: Nc-C:H films are most stable, offering potential for renewable energy applications.

Full text

9. Authors: Mustafayeva G.A., Mammadova S.Y., Balajayeva T.P.

Focus: Climate-resilient infrastructure aligned with COP-29 goals.
Methods: Case studies and policy analysis of sustainable infrastructure.
Findings: Climate-resilient infrastructure delivers cost savings, public health benefits, and investor confidence.
Recommendation: Requires coordinated policymaker and industry collaboration for sustainable growth.

Full text

10. Authors: Huseynova G., Valiyeva A., Tahmezli E., Surkhayli S., Tahmezli M.

Focus: Water quality and climate change monitoring in Guba-Khachmaz (Azerbaijan).

Methods: GIS and multivariate analysis with tools like GEE.

Findings: Improved forecasting and management of water resources under climate stress.

Recommendation: GIS-based monitoring supports better environmental planning and sustainable water management.

Full text

Baku State University

2025 REPORT ON

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

INTRODUCTION

Promoting industry, innovation, and resilient infrastructure is a fundamental pillar of sustainable development and an essential driver of long-term economic growth and social progress. SDG 9 – Industry, Innovation and Infrastructure aims to build resilient infrastructure, promote inclusive and sustainable industrialization, and foster innovation. The goal highlights the importance of technological advancement, research capacity, and modern infrastructure in supporting sustainable economic development, improving productivity, and enhancing the well-being of societies. It also emphasizes the role of institutions, governments, and academic communities in encouraging innovation and strengthening scientific and technological capabilities.

Higher education institutions play a crucial role in achieving this goal by advancing scientific research, supporting technological innovation, and preparing skilled professionals capable of contributing to industrial and technological development. As one of the oldest and most prominent universities in Azerbaijan, Baku State University (BSU) actively contributes to the development of research, innovation, and technological capacity in the country. The university supports the creation of a knowledge-based economy by promoting scientific research, encouraging interdisciplinary collaboration, and strengthening links between academia, industry, and society.

BSU continuously develops its research infrastructure and supports innovation through modern laboratories, scientific centers, and collaborative projects with national and international partners. The university also encourages students and researchers to participate in scientific initiatives, technological development, and innovative research projects that address contemporary economic, environmental, and technological challenges. Through these efforts, BSU contributes to the development of new knowledge, technological solutions, and sustainable industrial practices.

In recent years, BSU has further strengthened its commitment to sustainable development by integrating the Sustainable Development Goals into its academic programs, research priorities, and institutional development strategies. The university's progress has been recognized internationally, including through its participation in the Times Higher Education Impact Rankings, where BSU has demonstrated improvement in areas related to research development, innovation, and collaboration with industry and society. These achievements reflect the university's dedication to fostering innovation, supporting scientific advancement, and contributing to the development of resilient infrastructure and sustainable industrial growth.

For previous year`s report, please see

https://sdg.bsu.edu.az/report-on-sdg-10-reduced-inequalities

BSU ANNOUNCES THE "YOUNG SCİENTİST OF THE YEAR" NOMİNATİON COMPETİTİON

Baku State University announced the "Young Scientist of the Year" competition dedicated to the Day of Azerbaijani Youth (2 February). The initiative aims to recognize and encourage students, master's and doctoral candidates, and young employees under the age of 35 who demonstrate active scientific engagement, publish research in internationally indexed journals, and contribute to the development of innovative ideas and academic knowledge.

The competition evaluates candidates based on their scientific publications, participation in national and international conferences, involvement in research

projects and grants, patents, and other indicators of academic productivity. Winners are awarded the title “Young Scientist of the Year,” along with diplomas and monetary prizes in two categories: Natural, Exact and Technical Sciences, and Humanities and Social Sciences.

Through this initiative, Baku State University promotes scientific research, innovation, and the development of young researchers, contributing to the strengthening of research capacity and the advancement of knowledge in line with the objectives of SDG 9 – Industry, Innovation and Infrastructure.

For more information, please click here

AN İNFO SESSİON ON TEKNOFEST-2025 AT BSU

The head of the “Bilim Bakı” Center and official representative of TEKNOFEST in Azerbaijan, Ahmet Köse, held an informational session for students of Baku State University (BSU) to introduce the upcoming TEKNOFEST-2025, the world’s largest aerospace, aviation, and technology festival. BSU’s Student Scientific and Technical Creativity Center highlighted that since 2022, six BSU teams have achieved significant success in TEKNOFEST, including two first-place victories, and are actively preparing for the 2025 edition in the Turkish Republic of Northern Cyprus.

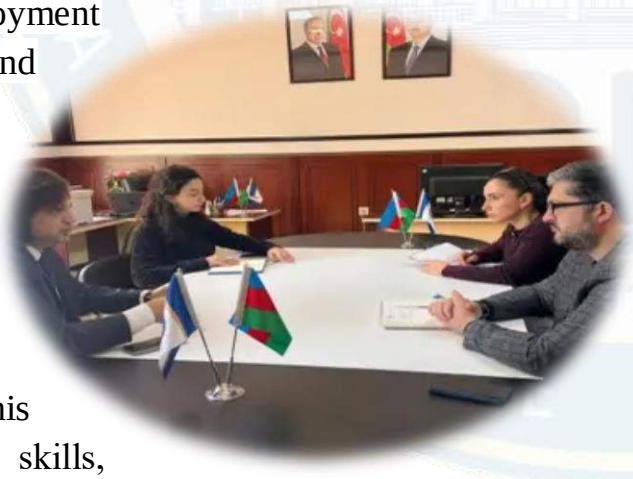
The session provided detailed guidance on festival participation, including competition categories (51 main and 117 subcategories) and registration procedures. By encouraging student engagement in high-level technological competitions, fostering innovation, and supporting applied scientific projects, BSU strengthens research and technical skills

among young innovators, contributing directly to SDG 9 – Industry, Innovation and Infrastructure through capacity building in science, technology, and innovation.

For more information, please click here

THE İNVOLVEMENT OF BSU STUDENTS AND GRADUATES İN BAKCELL İNTERNSHİP PROGRAMS HAS BEEN DİSCUSSED

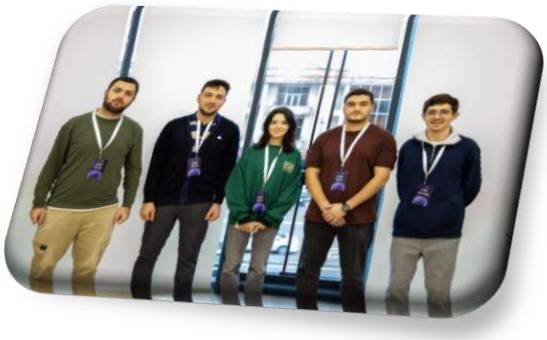
Baku State University's Career and Alumni Affairs Center held a meeting with a representative from Bakcell to strengthen student and graduate engagement in internship programs and improve employment opportunities in the technology and telecommunications sectors. As part of the collaboration with the Education Development Fund, BSU students will receive a 5GB internet package, and initiatives to promote internships and support successful candidates in securing employment will be expanded. This partnership enhances students' practical skills, fosters industry-academia collaboration, and contributes to the development of human capital and innovation capacity in line with SDG 9 – Industry, Innovation and Infrastructure.



For more information, please click here

THE STUDENT FROM THE BAKU STATE UNİVERSİTY (BSU) SABAH GROUPS HAS WON THE TURN YOUR IDEA İNTO REALİTY İNDİVİDUAL GRANT COMPETİTİON

Haciaga Musayev, a first-year master's student in the Computer Science and Technology program at Baku State University (BSU), won the "Turn Your Idea into Reality" individual grant competition, organized by ASAN Volunteers with support from the Youth Foundation of Azerbaijan and



TechAcademy. His project aims to raise awareness among young people about front-end programming and promote skills development in this field. This initiative fosters technological education, innovation, and digital skills among youth, contributing to SDG 9 – Industry, Innovation and Infrastructure by strengthening capacities in information technology and applied innovation.

For more information, please click here

BSU HAS BEEN AWARDED 5 STARS İN THE "QS STARS" AUDİT EVALUATİONN

Baku State University (BSU) achieved a prestigious 5-star (“excellent”) rating in the QS Stars audit conducted by QS Quacquarelli Symonds, reflecting its adherence to international standards in education, research, infrastructure, and governance. The university earned the highest rating in seven categories, including Teaching, Academic Development, Facilities, Employability, Environmental Impact, Diversity & Inclusion, and Good Governance, highlighting its modern laboratories, research centers, innovative teaching methods, and strong graduate employability.

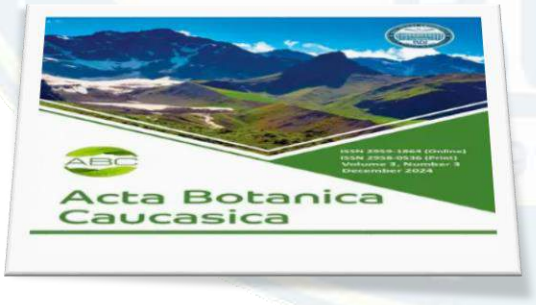
This recognition underscores BSU’s commitment to fostering scientific research, innovation, and technology-driven education, providing students and faculty with the resources and environment to develop cutting-edge knowledge and solutions. By integrating advanced infrastructure, promoting sustainable practices, and supporting international collaborations, BSU contributes significantly to SDG 9

– Industry, Innovation and Infrastructure, strengthening its role in research, technological development, and global academic engagement.

For more information, please click here

BAKU STATE UNİVERSİTY'S JOURNAL HAS BEEN İNCLUDED İN THE EBSCO İNTERNATİONAL DATABASE

The journal "Acta Botanica Caucasica," established by Baku State University (BSU), has been included in the international EBSCO scientific database, coordinated by BSU's Scientific Library. Already indexed in AGRIS, Google Scholar, ResearchGate, and Index Copernicus, the journal's inclusion in EBSCO enhances global accessibility, visibility, and citation of its articles. By promoting the international dissemination of high-quality research in biology and agricultural sciences, BSU strengthens scientific knowledge sharing and innovation, contributing to SDG 9 – Industry, Innovation and Infrastructure through the development of research capacity and global academic engagement.



For more information, please click here

NEW JOB EXPERİENCE OPPORTUNİTİES FOR BSU STUDENTS AND ALUMNİ DİSCUSSED

Representatives of Baku State University's (BSU) Career and Alumni Relations Center met with Aydan Hashimova, Director of ATL Academy, and Khanim Huseynzade, Head of Sales, to enhance student and alumni engagement with the labor market. The discussion focused on expanding internship programs, increasing access to job opportunities, developing technical skills, and implementing projects and scholarships to support professional growth. This collaboration fosters a skilled and innovative workforce, strengthens industry-academia links, and contributes to

SDG 9 – Industry, Innovation and Infrastructure by promoting practical experience, technical expertise, and career development.

For more information, please click here

BSU TWO TEAMS ACHİEVED GREAT SUCCESS İN THE IWISE 2025 COMPETİTİON

On March 9, the “International World Innovative Student Expo 2025” (IWISE) was held, featuring student projects in STEM, Itech, and Robotics categories. Baku State University (BSU) was represented by the teams EcoGenX, STAJ, TechTitans, and RoSE. The STAJ team won first place in the Itech category, earning a place in the final stage in Boston, USA (June 15–20), while TechTitans secured second place in Robotics. These achievements highlight BSU students’ innovation, technical skills, and applied research capabilities, contributing to SDG 9 – Industry,

Innovation and Infrastructure by fostering science, technology, and engineering excellence.

For more information, please click here

BSU EMPLOYEES ARE PARTİCİPATİNG İN HUAWEİ 5G TRAİNİNG SESSİONS

Employees of Baku State University (BSU) are participating in 5G training sessions organized by Huawei to enhance expertise in modern telecommunications technologies. The training provides theoretical and practical knowledge on establishing, managing, and applying 5G networks, with participants developing approaches to integrate these technologies into BSU's academic programs. Coordinated by BSU's Quality Assurance and Information Technology Centers, this initiative strengthens the university's technological capacity, fosters innovation in education and research, and contributes to SDG 9 – Industry, Innovation and Infrastructure by promoting advanced digital infrastructure and applied technological development.

For more information, please click here

A ROUNDTABLE DİSCUSSİON TİTLED SCİENTİFİC İNNOVATİON AND BİOTECHNOLOGY: NEW PERSPECTİVES İN ENSURİNG ECOLOGİCAL BALANCE SUSTAİNABİLİTY WAS HELD AT BAKU STATE UNİVERSİTY (BSU)

On March 27, Baku State University (BSU) hosted a roundtable discussion titled "Scientific Innovation and Biotechnology: New Perspectives in Ensuring Ecological Balance Sustainability" as part of Science Day events organized by the Faculty of Biology. The discussion focused on the importance of preserving ecological balance, rational use of natural resources, and protection of water, soil, and air from pollution, highlighting these issues as global challenges.

Participants included leading Azerbaijani scientists and experts. Professor Afet Mammadova, Dean of the Faculty of Biology, emphasized the role of scientific innovations and biotechnology in promoting sustainable development. Academician Irade Huseynova, Director-General of the Institute of Molecular Biology and Biotechnology, discussed the impact of biotechnology on modern ecosystems and emerging research directions. Penah Muradov, Director-General of the Institute of Microbiology and Corresponding Member of the National Academy of Sciences of Azerbaijan (ANAS), outlined microbiology's role in maintaining ecological balance. Professor Elmixan Jafarov, Head of the Radiobiology Laboratory at the Institute of Radiation Problems, addressed the effects of radioactive contamination on biodiversity and potential innovative solutions. Professor Nariman Ismayilov, Senior Researcher at the Institute, presented recent applications of biotechnological innovations in industry and agriculture.

The roundtable also explored opportunities for future collaboration, answered participants' questions, and emphasized the critical role of scientific research and

innovation in addressing ecological challenges. The event concluded with a consensus on the importance of conducting further studies to develop sustainable solutions in biotechnology and environmental management.

For more information, please click here

DEDİCATED LANES FOR BİCYCLES AND SMALL ELECTRİC VEHİCLES AT THE MAİN ENTRANCE OF BSU

At the main entrance of Baku State University (BSU), dedicated lanes have been established for bicycles and small electric vehicles. This initiative, implemented in line with the Decree of the President of the Republic of Azerbaijan, Ilham Aliyev, dated January 30, 2025, under the “State Program for the Improvement of Transport Infrastructure in Baku and Surrounding Areas for 2025–2030,” aims to improve urban micromobility, provide convenient short-distance transportation options, reduce reliance on private cars, and alleviate traffic congestion.

In addition to the lanes, secure and dedicated bicycle parking spaces have been created along the routes. This development supports sustainable, environmentally friendly urban mobility and reflects BSU’s commitment to modern infrastructure and ecological initiatives.

For more information, please click here

THE PROJECT IRRIGO – SUSTAİNABLE AGRİCULTURAL ECOSYSTEM WHİCH WİLL BE ESTABLİSHED ON THE BBSU CAMPUS, WİLL BE FEATURED İN THE FİNALS OF THE TEKNOFEST 2025 SHC

The world's largest aviation, space, and technology festival, TEKNOFEST, will take place from May 1–4, 2025, in the Turkish Republic of Northern Cyprus (TRNC), with over 15,000 teams and 47,000 participants competing across 7 main and 16 subcategories. The BSU "BDU TETYM" team presented the project "Irrigo – Sustainable Agricultural Ecosystem," which earned high marks in the TEKNOFEST TRNC Research Projects category and qualified for the final stage.

The project provides a system for purifying, recycling, and preparing wastewater for irrigation, incorporating innovative features based on IoT and Smart Village concepts to support farmers and entrepreneurs. The team of BSU students is currently developing the prototype, website, and mobile application for the system.

For more information, please click here

BSU RECTOR SPOKE ON THE ROLE OF SCİENCE İN REGİONAL DEVELOPMENT AT “THE TİMES HİGHER EDUCATİON EURASİAN UNİVERSİTİES SUMMİT”

Within the framework of the Times Higher Education (THE) Eurasian Universities Summit held in Baku, Baku State University (BSU) Rector Elchin Babayev participated as a panelist in the discussion “How Eurasian Universities Can Turn Science into a Driver of Regional Development.” The panel, under the summit theme “Transnational Research: From Knowledge to Global Impact,” examined the role of science and innovation in fostering sustainable, inclusive, and resilient societies.

Rector Babayev highlighted BSU’s efforts to align its scientific research strategy with regional and national development priorities and emphasized translating research outcomes into practical solutions for global challenges such as climate change, public health, technological transformation, and socio-economic inequalities. He also stressed the importance of strengthening regional and international university collaborations to enhance research capacity and innovation, and supporting student-researchers to develop as transnational contributors in Eurasia’s knowledge economy.

The panel included representatives from Nazarbayev University and other leading institutions, who shared successful models of scientific development. BSU’s participation, including the rector’s panel and the university’s exhibition stand, enhances its international reputation, leadership in Eurasian higher education, and the practical impact of science on regional socio-economic development.

For more information, please click here

BSU PARTİCİPATES İN THE 11TH BAKU INTERNATİONAL BOOK FAİR

Baku State University (BSU) is participating in the 11th Baku International Book Fair, organized by the Ministry of Culture and held at the Baku Expo Center from October 1–7, 2025, under the theme “Techno-Human: The Legend of Yesterday, the Phenomenon of Today.” At the exhibition, BSU showcases books, textbooks, and teaching materials published over the past two years by its faculty and preserved in the Scientific Library, as well as recent issues of the “News of Baku University” journal, conference proceedings, monographs, and teaching aids.

An informational video highlighting the university’s history, activities, and academic achievements is screened at the stand. Visitors receive BSU-branded printed materials, including notebooks, brochures, notepads, and pens, while staff provide detailed information about the publications. On the opening day, the book “Fidan Flowers” by Majid Heydarli (Seyyid Asri), a BSU Scientific Library staff member, was also presented. BSU’s participation promotes its scientific and educational potential, encourages public engagement, and fosters interaction with students and young book enthusiasts.

For more information, please click here

BSU PARTİCİPATES İN “SUSTAİNABİLİTY EXHİBİTİON: ART AND INNOVATİON FOR THE PLANET”

Baku State University (BSU) participated in the event titled “Sustainability Exhibition: Art and Innovation for the Planet,” organized within the framework of Baku Climate Action Week, presenting two innovative projects: “Irrigo: Sustainable Agricultural Ecosystem” and “Hydroponics.” The exhibition aimed to highlight innovative solutions that contribute to environmental sustainability and climate action.

The “Irrigo: Sustainable Agricultural Ecosystem” project, developed by Reyhan Mirsultanova, an engineer at the BSU Student Scientific-Technical Creativity Center, introduces a smart agricultural system designed to reduce freshwater consumption in irrigation. The project focuses on treating wastewater contaminated with organic pollutants, salts, and heavy metals and reusing it for irrigation within a self-cleaning and cyclic ecological system. This model promotes sustainable agriculture, efficient water management, and environmental protection through the application of innovative technologies.

The “Hydroponics” project, developed by Gumru Huseynova, Head of the Cell Culture and Genome Editing Research Laboratory at the BSU Research, Development and Innovation Excellence Center, together with Elvira Tahmazli, Research Associate, focuses on promoting soilless cultivation systems for small and medium-sized agricultural enterprises. The project encourages efficient resource use, sustainable agricultural production, and the application of modern technological solutions in farming.

At the exhibition, BSU's "Irrigo: Sustainable Agricultural Ecosystem" project was selected among the top six projects and received a certificate of recognition for its innovative approach and contribution to sustainable development and climate-friendly technological solutions.

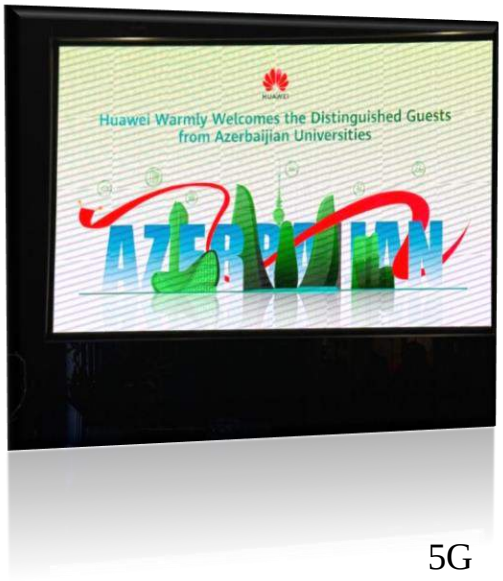
For more information, please click here

BSU AND HUAWEİ SİGN COOPERATİON MEMORANDUM İNTERNATİONALİZATİON

Baku State University (BSU) and Huawei Technologies Co., LTD have signed a Memorandum of Understanding (MoU) to strengthen cooperation in high technologies, artificial intelligence, and innovation in higher education. The agreement was reached during an official visit of a BSU delegation led by the rector to China at the invitation of Huawei, where representatives of several Azerbaijani universities also participated.

During the visit, the delegation toured the Huawei Corporate Business Exhibition Hall and the 5G and Artificial Intelligence Exhibition Hall in Shenzhen, where they were introduced to advanced technologies and applications in artificial intelligence, 5G and 5G-A networks, cloud technologies, and smart city solutions. Discussions focused on the potential use of these technologies in education, research, and technological development at universities.

At the official meeting at Huawei's headquarters, attended by company representatives including David Wang, Vice President for Corporate Communications, and Angela Lin, Vice President for the Middle East and Central



Asia, both sides discussed opportunities for collaboration in artificial intelligence, intelligent education systems, joint research initiatives, and technological innovation.

Within the framework of the signed memorandum, the parties agreed to implement training and internship programs for BSU students and researchers, conduct joint research projects in artificial intelligence and information and communication technologies, expand smart technology and 5G laboratory infrastructure, and explore the establishment of joint innovation centers and support mechanisms for startup initiatives.

As part of the visit, the delegation also held meetings at Huawei's Research and Development Campus in Dongguan, Dongguan University of Technology, and the Global Cybersecurity Transparency Center, discussing further opportunities for academic and technological collaboration.

For more information, please click here

BSU HOSTED THE "R.M 90" PROGRAMMİNG COMPETİTİON

Baku State University (BSU), in cooperation with the Innovation and Digital Development Agency, the Azerbaijan community of the International Collegiate Programming Contest (ICPC), and Caspian Event Organisers, organized the "R.M 90" programming competition. The event was dedicated to the legacy of Ramin Mahmudzade, Azerbaijan's first programmer, recipient of the "Shohrat" Order, and former associate professor of BSU, with the aim of strengthening students' programming skills, promoting innovation in computer science, and discovering new talents among university students.

During the opening ceremony, BSU Vice-Rector for Science and Innovations Huseyn Mammadov emphasized the importance of developing competitive human capital and an innovation-oriented academic environment in line with the "Azerbaijan 2030: National Priorities for Socio-Economic Development." Representatives from various institutions also highlighted Ramin Mahmudzade's contributions to the development of programming education in Azerbaijan and the significance of digital innovation, cybersecurity, and technological development for the country's future.

The competition brought together around 50 students from different universities, who solved programming tasks within a four-hour contest format. The winners of the competition will receive special prizes and certificates during the ICPC 2025 World Finals, which will be held in Baku from August 31 to September 5 at the Baku Convention Center.

For more information, please click here

BDU STUDENTS AT ICESCO'S MODEL SATELLİTE TRAİNİNG AND INTERNATİONAL AEROSPACE SYMPOSİUM İN ALMATY

Students of Baku State University (BSU) are participating in the Model Satellite – CanSat Training Workshop and Aerospace Symposium held in Almaty, Kazakhstan, organized by the Islamic World Educational, Scientific and Cultural Organization (ICESCO) and Al-Farabi Kazakh National University. The event brings together students and experts to enhance knowledge and practical skills in aerospace technologies and satellite engineering.

During the workshop, BSU students representing Azerbaijan are working on the design and development of a CanSat model satellite, capable of measuring atmospheric parameters, capturing aerial images, and transmitting collected data in real time to the Ground Control Station (GCS) during its descent. Participants are receiving specialized training from aerospace engineers and experts on the design, assembly, and testing of satellite systems, while also exploring opportunities for international collaboration in research and technological development.

The symposium also highlights the importance of aerospace technologies for research in areas such as solar physics, the study of solar system objects, Sun–Earth interactions, space weather monitoring, Earth observation, and space data processing. The event aims to strengthen scientific cooperation and practical research skills in space science and will continue until September 11.

For more information, please click here

THE 2ND EURASİAN FORUM ON ARTİFİCİAL İNTELLİGENCE AND DATA SCİENCE HELD İN BAKU

The 2nd Eurasian Forum on Artificial Intelligence and Data Science has begun at the Baku Congress Center, organized jointly by Baku State University (BSU), Codelandia LLC, and Ben-Gurion University of the Negev (Israel). The three-day forum brings together international researchers, specialists, and innovators to discuss recent advancements in artificial intelligence and data science and to promote scientific collaboration and knowledge exchange.

The event provides a platform for exploring developments in AI theory, new methodological approaches, and practical applications of data science in various sectors, including medicine, cybersecurity, sports, and agriculture. During the opening session, BSU Rector Elchin Babayev highlighted the importance of the forum in strengthening international scientific cooperation and advancing research in artificial intelligence. He also announced the establishment of a new Department of AI Ethics at BSU, aimed at promoting ethical principles, transparency, and social responsibility in AI research and development.

The opening ceremony also featured speeches by representatives of leading institutions, including Farid Osmanov, Chairman of the Innovation and Digital Development Agency; Fariz Jafarov, Executive Director of the Center for Analysis and Coordination of the Fourth Industrial Revolution (4SIM); Dan Blumberg, Vice President of Ben-Gurion University; and Gunel Jannatova, CEO of Codelandia. The forum's scientific program includes presentations by internationally recognized scholars on topics such as global AI markets, ethical and technological challenges in healthcare applications, and the role of higher education in the digital era. Participants will also take part in panel discussions and interactive sessions aimed at generating new ideas and strengthening the development of AI and data science in the region.

For more information, please click here

THE NEXT SPECİALİZED CAREER FAİR ENTİTLED “A BRİDGE TOWARD A PROFESSİONAL FUTURE” WAS HELD AT BSU

The specialized Career Fair titled “A Bridge Toward a Professional Future” was held at Baku State University (BSU), organized by the Career and Alumni Relations Center and dedicated to the 5th anniversary of Azerbaijan’s historic Victory. The event aimed to strengthen the connection between students, graduates, and employers while supporting career development and increasing employment opportunities.

During the opening ceremony, BSU Vice-Rector for Social Affairs, Student Relations, and Public Relations Alish Agamirzayev emphasized that the success of a university is largely measured by the achievements and employability of its graduates. He noted that BSU has recently transitioned from large-scale career fairs to specialized career fairs focused on specific sectors to better meet labor market demands and provide more targeted opportunities for students.

At the fair, 10 leading companies from the IT and innovation sectors presented job vacancies, internship opportunities, and scholarship programs to more than 2,000 students and graduates. The event also featured workshops, seminars, and interactive training sessions aimed at enhancing students’ professional skills, supporting personal development, and preparing them for successful careers in the technology and innovation sectors.

For more information, please click here

BSU TEAM QUALİFİES FOR THE SEMİFİNALS OF THE 50TH ICPC

The team of Baku State University (BSU) achieved a significant success by winning the Azerbaijan regional round of the 50th ICPC – International Collegiate Programming Contest. The competition was organized by the ICPC Azerbaijan Community, Azerbaijan Technical University, and ADA University, with support from the Innovation and Digital Development Agency.

The contest took place at Azerbaijan Technical University and gathered 52 teams from 20 higher education institutions across the country. Each team consisted of three students and one coach, and in addition, three high-school teams participated in the competition outside the official ranking. During the contest, participants were given five hours to solve 12 complex algorithmic problems using programming languages such as C++, Java, or Python. All solutions were submitted through an

automated judging system, which evaluated the correctness and efficiency of the programs.

According to the final results, the BSU team secured third place, demonstrating strong programming and problem-solving skills. With this achievement, the team gained the right to participate in the North Eurasia Finals of the 50th International Collegiate Programming Contest, which represents the global semifinal stage of the competition. In addition, they will compete in the South Caucasus Open Championship, both in team and individual categories.

Certificate of Achievement

The 2025 ICPC Azerbaijan Regional Contest
15 November 2025

Third Award

Baku State University

Miraga Aliyev
Nihat Garibli
Vugar Guliyev
Ismayil Zeynalov, Coach
Emil Huseynov, Co-coach

William B. Poucher, Ph. D.
ICPC Executive Director

Overall, 21 teams from Azerbaijan qualified to represent the country at the upcoming semifinal stage of the 50th ICPC – International Collegiate Programming Contest and the South Caucasus Open Championship, which will take place on 15–17 December 2025 in Tbilisi, Georgia. The participation of BSU students in these prestigious competitions highlights the growing level of programming education and competitive coding skills among university students in Azerbaijan.

For more information, please click here

BSU AND “REGİONAL DEVELOPMENT” PUBLİC UNİON SİGN MEMORANDUM OF UNDERSTANDİNG

Baku State University (BSU) and the Regional Development Public Union (RDPU) have signed a Memorandum of Understanding to strengthen cooperation and implement joint initiatives in various fields. The document was signed by BSU Rector Elchin Babayev and RDPU Chairperson Mammad Abdullayev. The main aim of the memorandum is to expand collaboration between the university and the public organization, support youth development, and promote joint projects that contribute to society.

During the signing ceremony, Elchin Babayev emphasized that the Regional Development Public Union, established on the initiative of the Heydar Aliyev Foundation, carries out important projects in the socio-economic, public, and cultural life of the country. He noted that BSU and RDPU have already been cooperating successfully for several years and expressed confidence that the newly signed memorandum will further strengthen this partnership. The rector also highlighted that the involvement of young people in public organizations provides valuable experience, increases their motivation, and helps them develop practical skills. He added that many youth organizations operating at BSU actively participate in projects implemented by RDPU.

In his remarks, Mammad Abdullayev stated that the memorandum will help effectively combine the scientific and intellectual potential of BSU with the development of both the capital and the regions of the country. According to him, bringing together the university's modern scientific capabilities and RDPU's extensive experience in various areas will produce significant benefits for Azerbaijan. He also described the memorandum as an example of cooperation built on mutual trust and partnership.

The memorandum envisages the implementation of joint projects and initiatives in social, economic, environmental, scientific, cultural, educational, and information technology fields. It also aims to support youth development, raise public awareness, and contribute to sustainable development.

Within the framework of the agreement, the two sides will organize projects, competitions, academic conferences, and contests that correspond to modern challenges and labor market requirements. The cooperation will also include engaging BSU students as RDPU volunteers, encouraging social responsibility and volunteerism, providing opportunities for students to participate in different projects and events, and creating internship opportunities for them within the Public Union.

For more information, please click here

A SPECİAL CLASSROOM OF AZERBAİJAN INTERNATİONAL MİNİNG COMPANY LİMİTED OPENED AT BSU

Baku State University (BSU) continues to implement significant initiatives that expand collaboration between education, science, and industry. One such project is the opening of a specialized classroom at the Faculty of Geology, established with the support of Azerbaijan International Mining Company Limited.

The inauguration ceremony was attended by BSU Rector Elchin Babayev, Reza Vaziri, President of Azerbaijan International Mining Company Limited, university leadership, faculty members, students, and industry representatives.

In his speech, Rector Babayev emphasized the strategic importance of modern infrastructure for education and highlighted the role of specialized classrooms in providing practical, experience-based learning. He noted that cooperation with industrial partners is a key priority in BSU's strategic development plan. The Rector underlined that the training of skilled professionals in strategically important fields, such as mining, must combine theoretical knowledge with practice-oriented learning environments. He added that this initiative will enhance students' professional skills, provide access to international expertise, and prepare graduates to enter the labor market as competitive and flexible professionals.

Reza Vaziri, President of Azerbaijan International Mining Company Limited, highlighted the education sector as a core element of the company's corporate social responsibility strategy. He stressed that sustainable development in geology and mining relies on well-trained, highly qualified specialists. Vaziri emphasized that

the new classroom aims to increase Azerbaijani youth's interest in the sector, familiarize them with modern technologies, and support joint educational and research initiatives between BSU and the company.

During the event, attendees toured the new classroom, learning about its technical capabilities, educational equipment, modern presentation tools, and infrastructure designed to deliver specialized courses effectively.

The establishment of this specialized classroom represents a successful model of university–industry cooperation, enhancing the quality of education at BSU's Faculty of Geology, strengthening students' theoretical knowledge with practical skills, and contributing to the training of highly qualified professionals for the mining sector. This initiative also opens broad opportunities for future collaborative projects, research activities, and practical training programs.

For more information, please click here

CONCLUSION

Baku State University (BSU) has taken significant steps to foster an inclusive and innovation-driven academic environment that aligns with the objectives of SDG 9 – Industry, Innovation and Infrastructure. The university recognizes that sustainable technological and industrial development depends not only on high-quality research and infrastructure but also on ensuring that all members of the academic community have equitable access to opportunities and resources. To this end, BSU has implemented a range of initiatives aimed at supporting students from diverse socio-economic, cultural, and physical ability backgrounds, ensuring that every student has the chance to contribute to research, innovation, and applied technological development.

One of the core areas of BSU's efforts is enhancing accessibility for individuals with disabilities. The university has upgraded physical infrastructure, introduced assistive technologies, and ensured that laboratories, libraries, and research centers are accessible to all students. These measures allow students with disabilities to participate fully in scientific projects, laboratory experiments, and technology-based learning activities, thereby fostering a truly inclusive innovation ecosystem. In parallel, the university provides scholarship programs, financial support, and mentoring services targeted at students from underrepresented or disadvantaged groups, helping to remove barriers to participation in science, engineering, and technology education.

BSU also actively promotes social awareness and engagement among its students, emphasizing the importance of equality, human rights, and ethical responsibility in scientific and technological development. Through seminars, workshops, and community projects, students are encouraged to consider the social and environmental implications of technological innovation and to design solutions that address real-world challenges, from sustainable urban infrastructure to environmentally safe industrial processes. This holistic approach ensures that innovation is not limited to technological advancement alone but is also informed by social inclusivity and responsibility.

Integration of modern infrastructure and research facilities is another key pillar of BSU's contribution to SDG 9. The university has invested in state-of-the-art laboratories, high-tech classrooms, and research centers, providing students and faculty with access to modern tools and technologies. These resources enable hands-on learning, experimentation, and innovation in fields such as biotechnology, information technology, environmental engineering, and industrial sciences. Moreover, BSU encourages students to participate in applied research projects, technology competitions, and international collaborative programs, thereby bridging the gap between academic knowledge and practical industrial applications.

The university's commitment to fostering innovation and industrial capacity is complemented by its support for entrepreneurial initiatives and technology-driven student projects. By providing funding, mentorship, and access to digital and technical infrastructure, BSU empowers students to transform their research ideas into practical solutions and prototypes. These efforts help cultivate a generation of future engineers, technologists, and researchers who can contribute to sustainable industrial development and infrastructure improvement at the regional and national levels.

Additionally, BSU's focus on international collaboration strengthens its capacity to integrate global best practices in science, technology, and innovation. Through partnerships with leading universities and research institutions, students and faculty have opportunities to engage in joint projects, access advanced technological platforms, and exchange knowledge on industrial innovations. This global engagement ensures that BSU's infrastructure and innovation programs are not only locally relevant but also aligned with international standards and emerging global trends.

In summary, Baku State University demonstrates a comprehensive approach to supporting SDG 9 by combining inclusive education policies, accessibility measures, financial and mentoring support, modern research infrastructure, and active engagement in applied innovation. These initiatives ensure that all students, regardless of background or ability, can participate in technological development, scientific research, and innovation-driven projects. By fostering a diverse, inclusive, and well-equipped academic environment, BSU contributes to strengthening industrial capacity, enhancing technological innovation, and promoting sustainable development in Azerbaijan and beyond.

SDG FOCUSED MEMBERSHIPS

aashe member
The Association for the Advancement of Sustainability in Higher Education

ISCN
International Sustainable Campus Network

CANiE
climate action network

WAITRO

GUNI
GLOBAL UNIVERSITY NETWORK FOR INNOVATION

SDG FOCUSED RANKING RESULTS

Rated for Excellence

Baku State University

Through rigorous and independent data collection and analysis of performance metrics as set out in the QS Stars™ methodology Baku State University has been awarded 5 Stars.

TEACHING ★★★★★	FACILITIES ★★★★★
EMPLOYABILITY ★★★★★	GOOD GOVERNANCE ★★★★★
ENVIRONMENTAL IMPACT ★★★★★	ACADEMIC DEVELOPMENT ★★★★★
GLOBAL ENGAGEMENT ★★★★	CHEMISTRY ★★★★
DIVERSITY, EQUITY & INCLUSION ★★★★★	

QS Stars

The QS Stars™ rating system evaluates universities across a wide spectrum of important performance indicators as set against pre-established international standards. By assessing a broader scope of criteria than any world ranking exercise, QS Stars™ illuminates the unique strengths and diversity of the rated institution with both precision and clarity.

Leigh Kamolins, Head of Evaluation

UI GreenMetric World University Rankings 2025

CERTIFICATE

This certificate is awarded to

Baku State University

as The 493rd World's Most Sustainable University
in 2025 UI GreenMetric World University Rankings

5 December 2025

Dr. Vishnu Juwono, S.E., MIA
Chairperson of UI GreenMetric

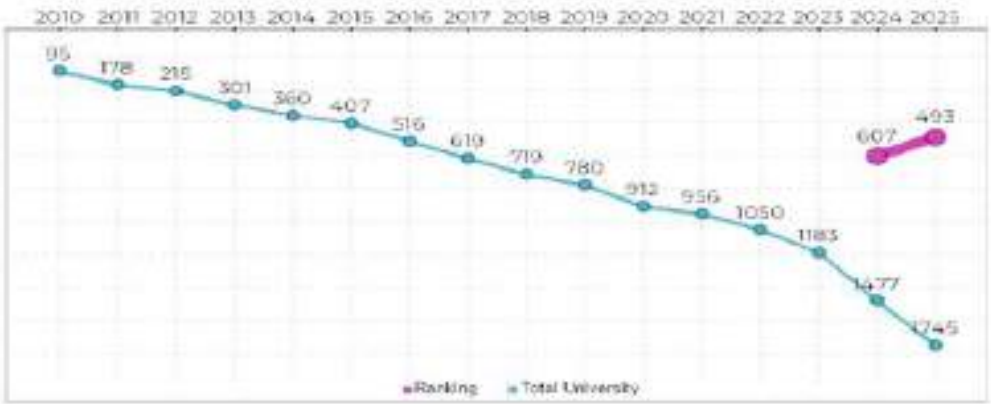
4. RANKING IN AZERBAIJAN

Country Ranking	SI Ranking	EC Ranking	WS Ranking	WR Ranking	TR Ranking	ED Ranking
1	2	11	3	5	1	2

2. RESULTS SUMMARY

World Ranking	SI Ranking	EC Ranking	WS Ranking	WR Ranking	TR Ranking	ED Ranking
493	660	1102	654	607	98	239

3. WORLD RANKINGS HISTORY



UNIVERSITY PROFILE

NAME : BAKU STATE UNIVERSITY
EST. : 1919
COUNTRY : AZERBAIJAN

1. VERIFIED DATA

Campus Sustainability Scores

Overall Performance
68.75 %

Total Score
6875 / 10000

68.75%

SI Setting & Infrastructure
Current: **950** Maximum: 1500
63.33%

WR Water
Current: **662.5** Maximum: 1000
66.25%

EC Energy & Climate Change
Current: **1000** Maximum: 2100
47

TR Transportation
Current: **1625** Maximum: 1800
90.28%

WS Waste
Current: **1075** Maximum: 1800
59.72%

ED Education & Research
Current: **1562.5** Maximum: 1800
86.81%

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

THE IMPACT RANKINGS

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

OVERALL RANK

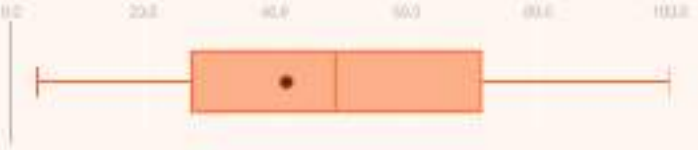
401–600

out of **2318** institutions

9

INDUSTRY, INNOVATION AND INFRASTRUCTURE

SCORE 41.8 RANK 601–800 out of 1156 institutions



SCORE 19.2

Research on industry, innovation and infrastructure

11.6% OF THIS SDG

SCORE 40.2

Patents citing university research

15.4% OF THIS SDG

SCORE 52.8

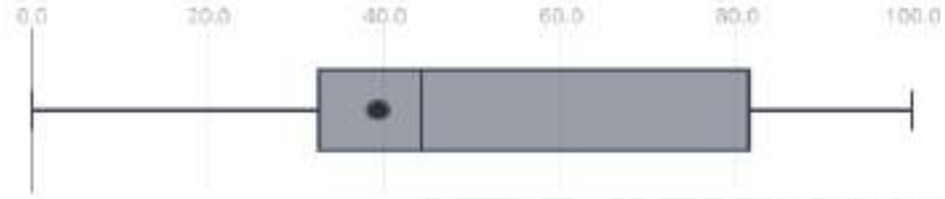
University spin offs

34.6% OF THIS SDG

SCORE

39.3 Research income from industry and commerce

38.4% OF THIS SDG



SDG FOCUSED RESEARCH

Introduction

Baku State University (BSU) is actively contributing to Sustainable Development Goal 9: Industry, Innovation and Infrastructure by promoting research and initiatives that strengthen technological capacity, industrial competitiveness, and sustainable infrastructure development. The university's scholars are engaged in studies that explore renewable energy systems, smart diversification strategies, mechatronics, and climate-resilient infrastructure, all of which reflect BSU's commitment to fostering innovation-driven growth in Azerbaijan and beyond.

Research on renewable and alternative energy solutions—such as solar-hydrogen technologies and advanced materials for energy-efficient systems—demonstrates BSU's role in developing eco-friendly approaches that reduce reliance on fossil fuels and align with global energy transition goals. At the same time, projects in mechatronics, automation, and digital technologies highlight the university's support for cutting-edge industries and the training of skilled professionals essential for modern economies.

BSU researchers also address infrastructure development with a focus on sustainability and resilience, ensuring alignment with COP-29 objectives and broader climate commitments. By integrating environmental considerations into economic and industrial strategies, these efforts help balance competitiveness with long-term ecological responsibility.

Through international collaboration, multidisciplinary projects, and strong links with industry partners, BSU is positioning itself as a hub for innovation and sustainable industrial development in the region. Its research under SDG 9 not only advances knowledge but also contributes to building a more resilient and diversified economy for Azerbaijan.

For all SDGs related articles please visit:

https://www.scopus.com/pages/organization/60071969#tab=sdgs

SDG contributions

Goal 1: No poverty	9 documents	Goal 10: Reduced inequalities	37 documents
Goal 2: Zero hunger	63 documents	Goal 11: Sustainable cities and communities	34 documents
Goal 3: Good health and well-being	221 documents	Goal 12: Responsible consumption and production	37 documents
Goal 4: Quality education	24 documents	Goal 13: Climate action	45 documents
Goal 5: Gender equality	12 documents	Goal 14: Life below water	43 documents
Goal 6: Clean water and sanitation	75 documents	Goal 15: Life on land	27 documents
Goal 7: Affordable and clean energy	306 documents	Goal 16: Peace, justice and strong institutions	36 documents
Goal 8: Decent work and economic growth	59 documents	Goal 17: Partnership for the goals	40 documents
Goal 9: Industry, innovation and infrastructure	97 documents		

1. Authors: Imran A., Imanova G., Agayev T., Aliyev A., Abdulaziz B., Agustiono K., Xavier Y.
Focus: Hydrogen production via water splitting using nano-beryllium oxide (nano-BeO) photocatalyst.
Methods: Thermal and radiation–thermal processes at 673 K; electron paramagnetic resonance.
Findings: Hydrogen yield up to 8.5 × 10^17 molecules per gram; 90–96% of carriers interacted with adsorbed water; minimal surface defects enhanced efficiency.
Recommendation: Promising mechanism for large-scale green hydrogen generation.
Full text

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2. Authors: Aliyev, A.A., Nurubeyli, T.K., Haziyev, Y.H., Najafov, E., Mammadov, F.I.
Focus: Reducing environmental and health impacts of transport noise.
Methods: Acoustic modeling; case studies from Germany, Japan, and the U.S.
Findings: Low-noise surfaces (3–7 dB), barriers (10–20 dB), and EVs combined can reduce urban noise by 15–25 dB.
Recommendation: Use integrated solutions balancing cost, maintenance, and sustainability.
Full text

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3. Authors: Muradov M., Huseynov E., Marjetka C., Matjaz M., Tina S., Baghirov M.
Focus: Effect of gamma irradiation on GO/PVA/AgNWs nanocomposites.
Methods: Low-dose gamma irradiation; structural analysis.
Findings: Irradiation created defects without altering overall shape; gravity caused uneven filler distribution.
Recommendation: Need to optimize fabrication to counter gravitational settling.
Full text

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4. Authors: Asgarov, T.K., Ragimova, N.A., Gadirova, E.M.
Focus: Intelligent energy management systems for buildings and factories.
Methods: Analysis of smart grids, SCADA, communication systems.
Findings: Classified sensors, actuators, processors; reviewed ML and DL for real-time energy control.
Recommendation: Integrate automation and AI for optimized energy use.
Full text

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5. Authors: Rahimli, A.M., Huseynova, A.S., Alekberov, R.I., Jafarov, M.A.
Focus: TiO_2/Polystyrene (PS) nanocomposites and their structural/thermal properties.
Methods: Addition of rutile-phase TiO_2 nanoparticles.
Findings: Improved crystallite size, melting/glass transition temperatures, decomposition resistance; uniform nanoparticle dispersion confirmed.
Recommendation: Suitable for coatings, packaging, and optoelectronics.
Full text

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6. Authors: Abbasov G.Z., Mustafayev A.G., Mustafayev A.G., Mammadova G.N., Umudov I.I., Nurubeyli T.K.
Focus: AI-driven digital twin for stress prediction in transport components.
Methods: Simulations and Bayesian inference.
Findings: Reduced stress uncertainty by 30%, extended lifespan by 25%.
Recommendation: Enables proactive, cost-effective, and sustainable maintenance.
Full text

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7. Authors: Mustafayeva, G.A., Mammadova, S.Y., Balajayeva, T.P.
Focus: Infrastructure development aligned with COP-29 climate goals.
Methods: Case studies, policy reviews.
Findings: Climate-resilient infrastructure supports growth, cost savings, public health, and investment.
Recommendation: Collaboration across sectors is essential for sustainable

infrastructure.

Full text

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8. Authors: Najafov, B.A., Nasirov, S.N., Neymetov, S.R.
Focus: Solar-hydrogen technologies for green hydrogen production.
Methods: Review of photoelectrochemical, photocatalytic, concentrated solar, and bioinspired systems.
Findings: Hydrogenated amorphous thin films optimized by deposition/annealing.
Recommendation: Advance pilot plant development and material optimization.

Full text

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9. Authors: Aliyev, A.S., Huseynova, R.G., Gurbanova, U.M., Zeynalova, A.O., Tagiyev, D.B.
Focus: Green hydrogen from water electrolysis and cost-effective electrocatalysts.
Methods: Review of HER catalysts and electrolyzer technologies.
Findings: Iron-group metal alloys show promise as alternatives to noble metals.
Recommendation: Focus on affordable electrocatalysts to expand hydrogen economy.

Full text

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10. Authors: Ahmadov, F.I., Ahmadov, G.S., Sadigov, A.Z., Sadygov, Z.Y., Rasulov, O.
Focus: MAPD-SiPM + LaBr3(Ce) scintillation detector for gamma-ray detection.
Methods: Wide energy range tests (0.1–7 MeV).
Findings: Excellent linearity and resolution (1.99% at 1.460 MeV); identified multiple gamma peaks.
Recommendation: Explore larger scintillators and denser materials (BGO, LSO).

Full text

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11. Authors: Azizkhanli, S.A., Aliyeva, S.B.
Focus: Environmental impact of polymers in film capacitors.
Methods: Life cycle assessment (LCA) using Eco-invent data.

Findings: PPS had the highest impact, PP the lowest.
Recommendation: Prefer PP for more sustainable capacitor production.
Full text

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12. Authors: Zakiyeva, I.H., Hashimov, A.M., Samadova, U.F., Aligayev, A.K., Hasanova, S.I.
Focus: Heavy metal removal from wastewater using high-voltage electrical discharge.
Methods: Mass spectrometry and adsorbent surface analysis.
Findings: Electrical discharge improved adsorbent efficiency and safety.
Recommendation: Promising alternative to traditional wastewater treatments.
Full text

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13. Authors: Babayev, F.F., Goncharenko, I.M., Mazur, H., Abdullaev, U., Chernyaha, L.
Focus: Impact of foreign investment on economic development (Ukraine, Azerbaijan, Uzbekistan).
Methods: Economic and SWOT analysis.
Findings: Investment boosts GDP, jobs, infrastructure, and technology; but risk of dependency.
Recommendation: Balanced foreign investment is key for sustainable growth.
Full text

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14. Authors: Nizamoğlu, H., Turan, M.D., Sarı, Z.A., Babayeva, P.G.
Focus: Copper recovery from slag using $FeCl_3$ from mill scale.
Methods: Leaching with HCl to produce $FeCl_3$ solution.
Findings: Achieved 97.22% copper extraction, outperforming HCl alone (75.05%).
Recommendation: Mill scale is an eco-friendly substitute for commercial $FeCl_3$.
Full text

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15. Authors: Humaira, Afsana Huseynova Anvar, Shaukat Ali, Marcelo Franco, Muhammad Irfan.
Focus: Cell-free biomanufacturing for sustainable production.
Methods: Review of biofuel/bioplastic production from biomass.
Findings: Higher productivity vs. traditional systems; challenges with co-factor costs and recycling.
Recommendation: Further research needed to lower costs and improve energy efficiency.
Full text

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16. Authors: Aliyev, A.Y., Yalchinkaya, A.
Focus: Mechatronics as a driver of modern technology.
Methods: Review of applications in robotics, transport, healthcare, defense.
Findings: Mechatronics is among the most in-demand academic/professional fields.
Recommendation: Expand education and training in mechatronics for industrial growth.
Full text

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17. Authors: Ali, I., Imanova, G.T., Alharbi, O.M., Hameed, A.M., Siddiqui, M.N.
Focus: Advances in green hydrogen production via radiation-driven water splitting.
Methods: Review of visible, UV, and gamma radiation techniques.
Findings: Radiation methods offer sustainable alternatives but face industrial challenges.
Recommendation: Further research required to improve large-scale viability.
Full text

Research

SDG contributions

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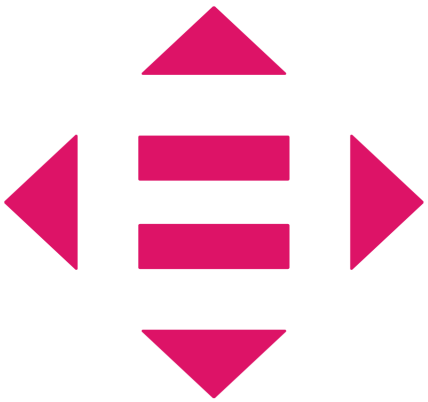
Baku State University

2025 REPORT ON

10 REDUCED INEQUALITIES



INTRODUCTION

Reducing inequalities is a central principle of sustainable development and a key factor in building inclusive, fair, and resilient societies. **SDG 10 – Reduced Inequalities** as part of the global development agenda to address disparities in income, access to opportunities, education, healthcare, and participation in economic, social, and political life. The goal emphasizes the importance of equal opportunities for all individuals and encourages governments, institutions, and communities to implement policies that promote social inclusion and protect vulnerable groups, ensuring that no one is left behind. Higher education institutions play a vital role in advancing this goal by creating inclusive learning environments, expanding access to education, and supporting diverse communities of students and staff. As one of the oldest and most prominent universities in Azerbaijan, **Baku State University** is committed to fostering equality, diversity, and social inclusion across all areas of its activities. The university works to ensure that students, regardless of their socio-economic background, gender, nationality, or physical ability, have equal access to quality education and opportunities for personal and professional development.

BSU actively promotes policies and initiatives that support equal participation in academic and social life. These efforts include improving accessibility for students with disabilities, expanding scholarship opportunities, supporting international student mobility, and encouraging dialogue on issues such as gender equality, social justice, and human rights. Through academic programs, research activities, community engagement projects, and collaboration with national and international partners, the university contributes to reducing inequalities both within the academic community and in the wider society.

In recent years, BSU has strengthened its commitment to sustainable development by integrating the Sustainable Development Goals into its institutional strategy, educational activities, and research agenda. The university's progress has been recognized internationally, including its performance in the Times Higher Education **Impact Rankings**, where BSU has demonstrated significant advancement in areas related to social inclusion, equal access to education, and community engagement. These achievements reflect the university's ongoing efforts to create a more equitable academic environment while contributing to the broader global mission of sustainable and inclusive development.

For previous year`s report, please see

https://sdg.bsu.edu.az/report-on-sdg-10-reduced-inequalities

REDUCED INEQUALITIES SDG 10

SDG 10 – Reduced Inequalities aims to reduce inequalities within and among countries in terms of income, opportunities, social protection, education, healthcare, and political participation.

This goal particularly covers the following areas:

- **Reduction of income inequality**
- **Promotion of social, economic, and political inclusion**
- **Elimination of discrimination**
- **Fair and well-managed migration policies**
- **Creation of more equitable economic opportunities for developing countries**

By 2030, to ensure equal opportunities for all people and to implement the principle of leaving no one behind.

Recognizing the importance of inclusivity and equal opportunities for all, BSU as a body has taken several measures to ensure that individuals with disabilities have the necessary resources and support to thrive academically and socially. In terms of physical accessibility, the university has implemented various measures to make its facilities accessible to individuals with mobility impairments. This includes ramps, elevators, and designated parking spaces for people with disabilities. Additionally, the university has made efforts to ensure that all buildings have accessible entrances, restrooms, and common areas. Furthermore, the university actively collaborates with disability support organizations to provide comprehensive support services for students with disabilities.

BSU as a body provides accessible facilities and support services for people with disabilities. We actively collaborate with disability support organizations to provide comprehensive support services for students with disabilities. These support services encompass academic assistance, counseling, and career guidance tailored to meet the unique needs of individuals with disabilities. It includes budgeting for assistive technology, accessible transportation, sign language interpreters, and other necessary resources.

BSU as a body has also established an access scheme to provide additional support to students with disabilities. This scheme aims to remove barriers to learning and provide reasonable accommodation to ensure that students with disabilities have an equal opportunity to succeed. The access scheme includes provisions such as extended exam times, note-taking assistance, and access to assistive technologies.

- A meeting was held with students at Baku State University (BSU) who have been awarded the Presidential Scholarship. Rector of Baku State University, Elchin Babayev, met with students who were awarded the Presidential Scholarship for the 2025/2026 academic year and congratulated the students on becoming members of the BSU family and on being awarded the Presidential Scholarship due to the high results they achieved in the university entrance examinations, wishing them continued success. Rector Elchin Babayev emphasized that BSU graduates represent Azerbaijan on the global stage and highlighted that the University's greatest graduate is the National Leader Heydar Aliyev. He also encouraged students to be active not only in their academic studies but also in the social and public life of BSU. It should be noted that among the young people awarded the Presidential Scholarship for the 2025/2026 academic year, 16 are students at Baku State University.

For more information, please click here

- Baku State University (BSU) has been ranked among the top 600 universities globally according to the 2025 "Impact Rankings" published by *Times Higher Education* (THE), one of the world's most prestigious ranking agencies. The university secured a position in the 401–600 range, marking a significant improvement from last year's 1001–1500 range. Out of 2,318 higher education institutions worldwide included in this year's ranking, BSU made remarkable progress by being evaluated in 15 Sustainable Development Goals (SDGs), compared to only 9 SDGs last year. BSU's overall performance score increased by 35%, rising from 53.2 to 71.8 — a reflection of the university's strategic reforms and initiatives in the field of sustainable development's placed in the top 100 global universities for four SDGs: SDG 1 (No Poverty), SDG 4 (Quality Education), SDG 5 (Gender

Equality), and SDG 10 (Reduced Inequalities). Additionally, the university ranked in the 101–200 range for SDG 15 (Life on Land) and SDG 16 (Peace, Justice and Strong Institutions), and in the 201–300 range for SDG 2 (Zero Hunger), SDG 6 (Clean Water and Sanitation), SDG 8 (Decent Work and Economic Growth), and SDG 14 (Life Below Water). This achievement highlights BSU's growing global reputation and its firm commitment to the SDGs. The university's upward movement in the rankings reflects its consistent and impactful actions in areas like social responsibility, environmental protection, inclusive education, and equal opportunity. It also enhances BSU's appeal as an international academic partner and strengthens its competitiveness in the global higher education arena.

For more information, please click here

- Four students from leading higher education institutions of the People's Republic of China — Beijing Foreign Studies University (BFSU) and Sun Yat-sen University — will study at Baku State University (BSU) during the 2025/2026 academic year. Three of them are students of the Faculty of Asian Studies at BFSU, majoring in "Azerbaijani Language." According to the university's academic regulations, students of foreign language majors are required to spend one semester in the country of the language they study during their third year. Within this framework, Azerbaijani Language students will continue their studies for one semester at the Faculty of Philology of BSU. Meanwhile, one student from Sun Yat-sen University will pursue studies at the master's level this academic year at BSU's Faculty of Social Sciences and Psychology. The initiative was significantly supported by Dr. Aqshin Aliyev, PhD in Philology, Head of the Department of Azerbaijani Language at the Faculty of Asian Studies, BFSU. Rector of BSU, Elchin Babayev, met with the Chinese students and provided detailed information about the university's academic environment, scientific activities, and student life.

For more information, please click here

- A meeting was organized at the Faculty of Social Sciences and Psychology of Baku State University (BSU) with Cavid Shahmaliyev, the Head of the Department of Work with Children Deprived of Parental Care at the Social Services Agency of the Ministry of Labor and Social Protection of Population. The meeting was held with students majoring in *Social Work* and focused on the topic of *"Foster Family as an Alternative Care Form."* Cavid Shahmaliyev provided information on the essence of foster families, their differences from adoption, the necessity of establishing the foster family institution in society, and its status. He emphasized that the implementation of the *"Foster Family"* care model allows children deprived of parental care to grow up in family environments rather than social institutions, fostering their development in a family setting. He also mentioned that the state policy, regulation, and oversight in foster families, implemented by the Ministry of Labor and Social Protection of Population following the decree signed by President Ilham Aliyev on February 15, 2022, have been successfully carried out. Shahmaliyev further informed students about the role and duties of social workers in the regulation of adoption and foster care, as well as the *Gatekeeping* mechanism in foster care.

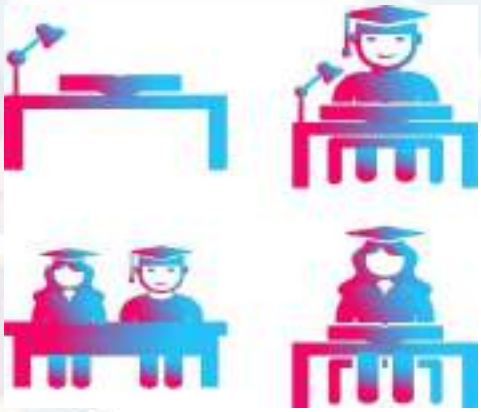
For more information, please click here

- An educational training session on the topic of "Adaptation" was jointly organized by the Student Union Committee of the Faculty of Geology and the Labor, Psychological Support Sector at Baku State University (BSU). The event focused on providing first-year students with practical knowledge and skills to help them adjust successfully to university life. (geology.bdu.info.az)
During the session, participants discussed key adaptation challenges faced by new students — including academic expectations, social integration, and time management — as well as strategies for maintaining mental well-being and balancing responsibilities. The training included interactive activities that encouraged students to share experiences and build supportive peer connections. Information was also provided on available psychological assistance services and how students can access them during their studies. (geology.bdu.info.az)

For more information, please click here

- Baku State University (BSU) Student Trade Union Committee (STUC) organized the closing event of the "Sustainable Development Goals (SDG) Week." The final event of the week was dedicated to the goal of "Reducing Inequality."Zohrab Javadzade, the Chairman of BSU's STUC, discussed the initiatives carried out during the week and emphasized the importance of reducing inequality as a critical goal on both a global and local scale. Asiman İlyasov, the BSU Rector's Advisor on Quality Assurance, informed the students about the steps the university is taking to build an inclusive society, stressing the role of reducing inequality in ensuring socio-economic welfare and justice. Ramin Samadov, Head of the Department of Humanitarian Affairs and Youth Policy at BSU, noted that the SDGs are highly relevant for young people. Social expert Elman Suleymanov highlighted, through real-life examples, the importance of preventing inequality in various fields. He emphasized that physical limitations should never hinder a person and encouraged students to become more aware and improve their personal development by reading scientific articles. Nigar Aghazade, founder and director of the "Support for People with Disabilities" Public Union, highlighted the global importance of the SDG on "Reducing Inequality" and stressed the need for greater attention and understanding toward vulnerable groups, especially people with disabilities.

For more information, please click here



- Within the framework of “Azerbaijan Volunteer Week 2025,” the “Sovereign Azerbaijan” Intellectual Volunteers League was held in the “What? Where? When?” format. The event was organized by the Azerbaijan Volunteer Organizations Union (AVOU), supported by the Azerbaijan Youth Foundation, and partnered by the Media Development Agency (MEDIA). According to the results of the League, the “Bir Könüllü” Students’ Cooperation Public Union took first place, the “BSU Volunteers” organization secured second place, and the “ASAN Volunteers” organization ranked third.

For more information, please click here

- An event titled **“Youth Dialogue of the Future”**, dedicated to the 80th anniversary of the United Nations (UN), was held at **Baku State University (BSU)**. Speaking at the opening ceremony, BSU Rector **Elchin Babayev** noted that since its establishment, the UN has served the global community as a symbol of international peace, security, human rights, and sustainable development. The Rector highlighted that cooperation between Azerbaijan, and the UN is developing across peace and security, sustainable development, and human rights. Azerbaijan actively implements projects aligned with the UN Sustainable Development Goals (SDGs) and participates in socio-economic development, humanitarian assistance, and scientific initiatives. Baku State University supports this strategic policy through education, research, and public engagement. University-led initiatives engage students and young researchers in international discussions and prepare them to address global challenges. Within the frameworks of **“Model UN”** and **“Youth Sustainable Development Forums,”** students gain insight into UN structures, participate in simulated discussions on humanitarian and environmental issues, and experience real decision-making processes. The **Baku Climate Science Conference**, organized by the

University within the framework of COP29, featured projects by BSU scholars and students aligned with UN goals on climate change, environmental sustainability, and sustainable development. The event strengthened Azerbaijan–UN cooperation and provided young researchers with valuable international experience. Elchin Babayev underlined that in recent years BSU has systematically strengthened its activities in line with the SDGs. As evidence, the University advanced significantly in the **2025 Times Higher Education (THE) rankings**, rising to the 401–600 range from its previous position of 1001–1500. This achievement reflects BSU's commitment to sustainable development, social responsibility, and global partnership. The University has been globally recognized for projects covering 15 of the 17 SDGs and ranks among the world's top 100 universities in four areas: **No Poverty, Quality Education, Gender Equality, and Reduced Inequalities**. Additionally, according to the **QS World University Rankings: Sustainability 2025**, officially presented in Baku on November 18, 2024, within the framework of COP29, BSU achieved a leading position in Azerbaijan. The University advanced by more than 345 places compared to the previous year, ranking within the 941–950 global range and becoming the only Azerbaijani higher education institution in the global Top 1000. These indicators demonstrate BSU's growing international reputation in climate action, innovation, research, and social engagement. The Rector also noted that these achievements result from initiatives such as green campus projects, including **"EcoSpace," "Student Space,"** and the **"EcoEnergy" alternative energy station**, as well as ongoing research in climate diplomacy and social inclusion, carried out in close cooperation with the UN Resident Coordinator's Office in Azerbaijan. **Vladanka Andreeva**, UN Resident Coordinator in Azerbaijan, expressed gratitude for hosting the UN's 80th anniversary event at BSU, a university that has made significant contributions to Azerbaijan's national and scientific development. She stated that throughout its history, the UN has worked to preserve peace, promote cooperation among nations, and address global challenges. She emphasized that the **17 Sustainable Development Goals** represent a shared global agenda for the future, covering critical issues such as green energy, poverty eradication, access to education and healthcare, climate change, and inclusive development. In this context, youth dialogue plays a crucial role. She stressed that the implementation of the SDGs is not only the responsibility of governments, but also of people, universities, and communities. Highlighting BSU's role in educating scientists, policymakers, lawyers, and community leaders, she described young people as not only future leaders but also key partners today. The panel emphasized the importance of the **"One Health"** concept, which integrates seven SDGs, and underscored the potential contributions of youth in advancing this approach.

For more information, please click here

- A summer camp will be organized at Baku State University's (BSU) Guba Educational-Training and Recreation Center for students and children of martyrs and veterans. The event is co-organized by Baku State University, the Eurasian Regional Center of the Islamic Cooperation Youth Forum, the "BSU Volunteers" organization, and the "Amanat" Support Project for the Personal Development of Children of Martyrs and Veterans. The camp, scheduled to take place from July 26 to 29, will feature interactive training sessions, educational seminars, and team-based recreational activities to provide an engaging and meaningful experience during leisure time.

For more information, please click here

- The application deadline for the “Support for Student Initiatives – Project Vernissage” initiative, jointly implemented by Baku State University (BSU) and the DOST Agency, has been extended. Those wishing to participate can submit their project proposals by July 31 at 18:00. The main objective of the project is to support students with digital, innovative, and creative ideas in the social field and to help them implement their socially beneficial initiatives. Students interested in applying must participate in teams consisting of a minimum of 2 and a maximum of 5 members. The submitted ideas must meet specific criteria. The idea of the project must be complete and precise, with clearly defined goals and objectives, and should align with state policies in the social sphere. The initiative should be innovative and creative, promote social development, and aim to improve the quality of social services and inclusive living conditions. Proposals must be feasible and demonstrate uniqueness. The project's sustainability and potential for long-term development must also be emphasized. Participants will gain access to various opportunities. Promising ideas will proceed to the next stages, and selected teams will have the chance to work with professional mentors. Additionally, participants will network with well-known national organizations and institutions and receive certificates and startup support for their projects. Students with additional questions can contact: dost_projects@sosial.gov.az

For more information, please click here

- On **June 1 – International Day for Protection of Children**, a visit was organized by the Baku State University (BSU) Student Trade Union Committee (STUC) to the "House of Love" Women and Children's Shelter Rehabilitation and Reintegration Center. As part of the visit, students presented various gifts to the children, engaged in sincere conversations, and provided emotional support.

For more information, please click here

❖ Within the framework of the “Year of Constitution and Sovereignty,” a special scholarship has been established for students at Baku State University (BSU) by the Commissioner for Human Rights (Ombudsman). The scholarship initiative was realized based on a proposal by Ombudsman Sabina Aliyeva and was approved by the BSU Scientific Council. The cooperation between BSU and the Ombudsman’s Office encompasses several important directions. Undergraduate and graduate students of the BSU Faculty of Law are given the opportunity to participate in internships and research activities at the Ombudsman’s Office. Additionally, experienced professionals with academic degrees from the Ombudsman’s Office are allowed to engage in scientific and pedagogical work at BSU. As a continuation of this cooperation, within the “Year of Constitution and Sovereignty,” two students—one from the “Law” program and one from the “International Relations” program—who have demonstrated outstanding academic performance will be awarded the Ombudsman’s special scholarship for the current academic year. This initiative will further promote student and graduate specialization in the field of human rights and encourage scientific research in this area.

For more information, please click here

❖ **Sofiana Jamil Afifah is an Indonesian student at Baku State University (BSU).** She is studying under the "Heydar Aliyev International Education Grant" program. She has a very positive view of both Azerbaijani culture and the country’s education system. In this interview, we discussed her arrival in Azerbaijan, her education, and her goals.

- **Hello, Sofiana, can you tell us about yourself?**
- I am currently studying in the preparatory group at BSU. At the same time, I am learning both English and Azerbaijani. This helps me improve my language skills. After completing the preparatory course, I will pursue a master’s degree in "History Teaching."
- **How did you choose to study in Azerbaijan, particularly at BSU?**
- My decision to study here was based on recommendations from my Indonesian teachers. I was very happy when I earned my student status through the "Heydar Aliyev International Education Grant" program. There are strong connections between Indonesia and

Azerbaijan. There is also an organization for Indonesian students here, which has been a great support for me.

- **What are your impressions of our country?**
- I love Azerbaijan. I find Baku, especially the Old City (Icherisheher), very interesting, with its rich historical monuments. I had the chance to visit Shusha recently, and it made a great impression on me. Azerbaijan has an ancient history, and this wealth is reflected in its museums.
- **What do you think about our national culture and cuisine?**
- Azerbaijani cuisine is very different. In Indonesia, we mostly eat dishes made with rice, but here, the dish I liked the most was khangal (dumplings). One day, our teacher cooked khangal for the foreign students, and we really enjoyed it. Khangal is very popular here.
- **Was it difficult to get used to Azerbaijan's climate?**
- As you know, Indonesia has only two seasons. So, it was a little challenging at first. But I adjusted over time.
- **What do you think about Azerbaijan's education system?**
- Azerbaijan's education system is very good. The teaching methods here are of a high level. The teachers are always ready to help and explain the subjects we want to learn in a clear way. This has positively impacted my education.
- **What are the advantages of studying at BSU?**
- This university offers strong support for academic research. Studying at BSU has given me the opportunity to deepen my understanding of historical events, theories, and pedagogical methods. As a foreign student, interacting with peers from various cultures has expanded my worldview, enhanced my critical thinking, and improved my skills in intercultural dialogue.
- **How do you spend your student life?**
- I live in the "Student House" at BSU. Foreign students also stay there. We spend our free time together, cooking meals. I also work in the Indonesian students' organization. We carry out projects together with the National Council of Youth Organizations of the Republic of Azerbaijan (NAYORA).
- **Do you want to stay and work in Azerbaijan in the future?**
- Yes, I would like to continue my education in Azerbaijan. If there are job opportunities here, I would be happy to work as well. Azerbaijan seems like a very interesting and attractive country to me. After returning to my country, I also want to support the development of relations between Azerbaijan and Indonesia. My goal is to promote Azerbaijan more in Indonesia. I want Indonesian youth to be more informed about Azerbaijan. In this regard, I have also given an online presentation about the "Heydar Aliyev International Education Grant" program for Indonesian youth.

Prepared by: Narmina Asadova

For more information, please click here

- As part of the "100 Days – 100 Initiatives" campaign of the Regional Development Public Union (RDPU), Baku State University (BSU) organized an excursion and agro-training for children from the "Azerbaijan's Children" Public Union – Child Shelter Reintegration Center within the framework of the "Agro School" project. At the beginning of the event, the guests visited the Aquaponic and Hydroponic Systems Laboratory located in BSU's unique "Eco Space" project area. Specialists delivered an interactive presentation on the advantages of hydroponic technologies, providing practical information on seed cultivation in water and soilless plant growing processes. During the excursion, participants also toured BSU's Museums of Genetics and Evolution and Mineral Resources, where they learned interesting facts about the stages of biological development, geological periods, and the history of nature. At the end of the day, participants who demonstrated active engagement in the project were awarded certificates.

For more information, please click here

- On December 24, the First Solidarity Forum of Student Trade Union Members will be held at Baku State University (BSU), organized by the Student Trade Union Committee (STUC). This forum, to be held for the first time, is dedicated to December 31 – World Azerbaijanis Solidarity Day, as well as the fifth anniversary of Azerbaijan's historic Victory. The event aims to further expand cooperation among student trade union organizations and to provide a unified platform for discussing joint initiatives of student trade union members within the post-war period and the process of the Great Return. It should be noted that within the framework of the forum, a panel session titled "The Role of Youth in the Great Return: Organization of Student Trade Unions and the Solidarity Model" will be held. During the session, members of student trade union committees from various higher education institutions will develop a joint package of proposals and ensure their implementation.

For more information, please click here

- An info tour was organized at Baku State University (BSU) for university applicants who are children of martyrs. The event was jointly organized by the "BSU Volunteers" organization and the "Zəfər" Public Union for Supporting Families of Martyrs. The tour began with a meeting between BSU Rector Elchin Babayev and the children of martyrs in the "Victory History" lecture hall. Rector Babayev spoke about BSU's significant role in Azerbaijan's science, education, and socio-political life, highlighting that the university's most prominent alumnus is the National Leader Heydar Aliyev. He emphasized BSU's mission to educate highly qualified professionals who are committed to national values and statehood. Addressing the guests, he said: "You are the children of individuals who courageously gave their lives for our country's freedom and wrote history through their heroism. We are confident you will live up to their legacy and succeed in life and education. The state and the people are with you every step of the way." Chairwoman of the "Zəfər" Public Union Sevinc Orucova explained that the purpose of the event was to support martyr children in their career choices and provide them with a day full of motivation: "This year, nearly 60 children of martyrs have graduated from

high school. Regardless of which university, profession, or field they choose, we trust they will make the right decisions. The children visited BSU's Heydar Aliyev Museum and lecture hall, where they explored exhibits showcasing the National Leader's life and contributions to the state. They also visited the Mineral Resources Museum and the Museum of Evolution. At the university's "Student Space," an info session was held to inform applicants about BSU's educational process, faculties, programs, research environment, academic and social support systems, and student life. The event concluded with an introduction to the university's eco-friendly initiatives and green zones. The children toured BSU's "Eco Space," the Student Scientific-Technical Creativity Center, academic buildings, and campus.

For more information, please click here

- At Baku State University (BSU), an award ceremony was held for the winners of the III Republic Olympiad in Physics, Mathematics, Chemistry, Biology, and Geography, dedicated to the 102nd anniversary of the birth of the National Leader Heydar Aliyev. Rector Elchin Babayev spoke about the successful results of the policies implemented in the fields of science and education in Azerbaijan and noted that the Olympiad movement has been expanding year by year. In addition to BSU, students from ADA University, Azerbaijan Medical University, Baku Higher Oil School, Azerbaijan Technical University, Azerbaijan State Pedagogical University, Azerbaijan State Oil and Industry University, Baku Engineering University, Academy of the Ministry of Emergency Situations, Khazar University, Western Caspian University, Sumgayit State University, Nakhchivan State University, Ganja State University, and Lankaran State University participated in the Olympiad. A total of 75 students competed in Physics, 54 in Mathematics, 72 in Chemistry, 92 in Biology, and 50 in Geography. The Olympiad aims to further improve the quality of training specialists in these scientific fields in the Republic of Azerbaijan, to identify and support talented students, involve them in scientific research activities, and promote scientific knowledge among students. Later, BSU's Vice-Rector for Science and Innovation, Huseyn Mammadov, announced the winners of the Republic Olympiad. According to the competition results, 30 students became winners: 5 took first place, 10

second place, and 15 third place, while 30 students received encouragement prizes. The winners were awarded diplomas and gifts.

For more information, please click here

- The latest "MEDIA Volunteers" program, organized by the Media Development Agency (MEDİA), has successfully concluded. The volunteer program, covering April–July 2025, provided young participants with opportunities to develop their skills and knowledge, actively engage in social projects, and gain practical experience in the media sector. Volunteers participated in various trainings and were represented at both local and international events, including involvement in the "Media Literacy" Week and the 3rd Shusha Global Media Forum. At the closing event, MEDİA's Executive Director Ahmad Ismayilov praised the volunteers' initiative and teamwork, noting their significant contribution to the program's success. Nearly 60 volunteers who completed the program received certificates of achievement.

For more information, please click here

- World Solidarity Day of Azerbaijanis was celebrated on 31 December at the Student House of Baku State University (BSU), jointly organized by the BSU Student Trade Union Committee and the Student House administration. BSU Vice-Rector for Social Affairs, Student Relations, and Public Communications, Alish Aghamirzayev, congratulated the students on the holiday and wished them success in their studies. During the visit, a tea gathering was organized for students residing at the Student House. The event continued with musical performances by both local and international students.

For more information, please click here

- The Student Trade Union Committee (THİK) of Baku State University (BSU) presented certificates of appreciation to students who have been active in the public life of the university and have distinguished themselves. Ramin Samadov, the head of the Department of Humanitarian Affairs and Youth Policy at BSU, spoke about the successful activities of THİK. He highly praised the students' initiative and social activity, stating that they play an important role in the life of BSU. Zohrab Javadzade, the chairman of THİK, discussed the contributions the committee has made to the youth. He emphasized that THİK has been very active in recent years and has brought together more active students. He noted that THİK's main goal is to give a boost to students' social and public lives and to stimulate their activities. At the end of the event, certificates of appreciation were presented to the heads of faculty, department, and club organizations, as well as to the active members of the Executive Board of THİK.

For more information, please click here

- From 3–9 August 2025, the Ministry of Youth and Sports of the Republic of Azerbaijan, in cooperation with the Azerbaijan Sport Academy (ASA), organized the international summer camp “A Step Towards Sustainable Development” at the Quba Olympic Sports Complex. Baku State University (BSU) was represented by students as well as the University’s Advisor to the Rector on Quality Policy, **Asiman Ilyasov**, who was invited as a guest speaker and trainer. During the camp, Mr. Ilyasov conducted training sessions on sustainable development goals, healthy lifestyles, gender equality, sports and well-being, and strategies for addressing global challenges. The week-long program brought together young participants from Türkiye, Kazakhstan, Kyrgyzstan, and Azerbaijan. Alongside the training activities, participants took part in lectures, group work, and discussions designed to enhance knowledge, teamwork, and cross-cultural understanding. The camp also featured cultural evenings, inter-team sports competitions, and excursions to the historical and cultural landmarks of the Quba region. Participants showcased their national traditions, strengthening friendship and cooperation among

Turkic-speaking countries. At the closing ceremony, certificates were presented to all participants. Organizers emphasized their intention to continue hosting such international events to inspire and empower young leaders.

For more information, please click here

- The 3rd EMIDWORLD International Conference on Economics, Public Finance, Business and Social Sciences, jointly organized by Baku State University (BSU) and Turkey's Kilis 7 Aralık University, has concluded. At the closing ceremony, it was emphasized that the participation of scholars and researchers from 33 countries, along with representatives of government institutions and business organizations, transformed the conference into an important platform for scientific dialogue on both regional and global levels. The event highlighted future aimed at expanding the existing cooperation between Baku State University and Kilis 7 Aralık University, including the implementation of joint empirical research, preparation of collaborative publications, and more active involvement of young researchers in these processes. Based on the discussions held within the framework of the conference, several recommendation-based conclusions were formed concerning the sustainable development of the economy, transparent management of public finance, green transition, social equality and innovative governance models. During the closing ceremony, certificates were presented to speakers and session moderators. Speakers noted that the conference contributes to further deepening the strategic alliance between Turkey and Azerbaijan in the fields of science and education, paving the way for new directions of scientific cooperation.

For more information, please click here

- The Psychological Support Sector of Baku State University (BSU) conducted a training session for students titled "5 Traumas That Prevent Us from Being Ourselves." The center's psychologist, Natavan Hasanbayeva, explained that trauma is a reaction to an event or experience that severely impacts a person's physical or psychological health, often accompanied by feelings of danger, fear, horror, or intense anxiety. She noted that trauma can arise not only from a single event but also from repeated experiences or prolonged stress. Traumas that influence a person's identity and behavior typically stem from negative experiences in childhood or early years, and these experiences can affect their health, relationships, and self-esteem in adulthood. The psychologist also provided information about the types of trauma and methods for preventing them. During the training, students explored the impact of trauma on behavior, relationships, and health, and participated in psychological tests.

For more information, please click here

- The **Culture and Creativity Center** of **Baku State University (BSU)** distinguished itself at the **"Just Dance Fest"**, an inter-university dance festival held for the first time at **ADA University**, with the participation of seven higher education institutions from across Azerbaijan. In the final stage of the festival, BSU's Culture and Creativity Center team **won first place** in the **"Group Dance"** category with their performance of the **"Naghara" dance**.

For more information, please click here

- At the initiative of the Department of Social and Pedagogical Psychology of the Faculty of Social Sciences and Psychology at Baku State University (BSU), an event titled **"Psychoprophylactic Work with Hearing-Impaired Individuals"** was held. The event was attended by Leman Hasan-zadeh, Director of the "Cochlear Azerbaijan" Rehabilitation and Recovery Center; audiologist Elmar Allahverdiyev; ABA therapist-educator Nasiba Agaverdiyeva; along with the department's academic staff and students. Prof. Kamila Aliyeva, Head of the Department of Social and Pedagogical Psychology, spoke about the significance of the event. Leman Hasanzadeh provided information about the activities and services offered by the "Cochlear Azerbaijan" Rehabilitation and Recovery Center. Audiologist Elmar Allahverdiyev briefed the participants on the importance of hearing aids and cochlear implants, emphasizing that these devices are crucial tools to help individuals with hearing loss perceive sounds more effectively.

For more information, please click here

- An exhibition dedicated to February 21 - International Mother Language Day was organized at the Scientific Library of Baku State University (BSU). The exhibition features books, textbooks, and teaching materials reflecting the uniqueness, natural characteristics, historical richness, and modern forms of expression of the Azerbaijani language. It also showcases publications in various world languages, including Turkish, Russian, English, German, French, Japanese, Chinese, Arabic, Urdu, ancient Roman languages, and the languages of the Tat people living in the Caucasus. Special attention is given to publications highlighting the invaluable role of National Leader Heydar Aliyev in promoting the Azerbaijani language to the status of the state language and in preserving it from foreign influences.

For more information, please click here

- The results of the “Academician Yusif Mammadaliyev” targeted scholarship, established for undergraduate and graduate students of the Faculty of Chemistry at Baku State University (BSU), have been announced. The scholarship was awarded to second-year undergraduate student Zeynab Mirzayeva (GPA 98), majoring in Chemistry Teaching, and second-year master’s student Fidan Taghiyeva (GPA 99.8), specializing in Analytical Chemistry. It should be noted that the decision to establish the “Academician Yusif Mammadaliyev” targeted scholarship was adopted at the first meeting of the BSU Academic Council for the 2025/2026 academic year.

For more information, please click here

- The “Career Path – 2” project, implemented for first- to third-year students on the initiative of the Career and Alumni Relations Center of Baku State University (BSU), has been successfully concluded. Within the framework of the project, 28 students were selected based on preliminary interviews. The participants attended training sessions on “Career Planning,” “Self-Discovery,” “Labor Market Research,” “Setting SMART Goals,” “Effective CV/Resume Writing,” “Interview Preparation,” and “Creating a LinkedIn Profile.” They took part in interactive discussions, group work, and practical assignments. As part of the project, each student had a professionally prepared CV and a LinkedIn profile developed. The program enabled participants to identify their potential, define their personal and professional goals, analyze labor market dynamics, become familiar with digital and traditional job search methods, and gain hands-on experience through interview and recruitment process simulations. At the closing ceremony, all 28 participants who demonstrated high performance were awarded certificates.

For more information, please click here

- International students of Baku State University (BSU), led by Gulshan Maharramova, an English language instructor at the Faculty of Philology, visited the city of Ganja. The purpose of the visit to Ganja — a city known for its rich historical and cultural heritage — was to promote intercultural dialogue and foster solidarity among students from different countries. Students from Indonesia, Iraq, Türkiye, Chad, the Comoros Islands, and Thailand took part in the visit. During the trip, the students explored several historical and cultural landmarks, including the "Imamzadeh" religious complex, Ganja Fortress Gates – Archaeology and Ethnography Museum, the mausoleum and museum of Nizami, the mausoleum of Javad Khan, Khan Garden, Ganja City Executive Power, Ganja Bazaar, and Lake Goygol. The international students emphasized that learning about Ganja's rich history was an important step toward intercultural cooperation and enhancing student life.

For more information, please click here

- On February 2, a forum dedicated to Azerbaijan Youth Day was held at Baku State University (BSU), organized by the BSU Student Youth Organization, the Student Trade Union Committee, and the "BSU Volunteers" organization. The event began with the national anthem, followed by a moment of silence to honor the memory of the martyrs who sacrificed their lives for the freedom of our lands. In his speech, BSU Rector Elchin Babayev stated that Azerbaijan Youth Day is closely associated with the name of the National Leader Heydar Aliyev, who laid the foundation of the state's youth policy and defined it as one of the key directions for Azerbaijan's development. He noted that, 28 years ago, with the decree signed by the National Leader, February 2 was first officially celebrated as Youth Day in the CIS and Eastern European countries. This initiative became a model for many others, later leading to the declaration of the International Youth Day by the United Nations General Assembly on December 17, 1999. Babayev emphasized that the decrees, laws, and state programs adopted by Heydar Aliyev played a crucial role in organizing the youth and elevating their societal activity, engaging them in state

governance, and ensuring their productive employment. The rector also expressed that BSU contributes significantly to the implementation of youth policy through various initiatives, including the Student Scientific and Technical Creativity Center, the Student Scientific Society, and the Student Youth Organization. He noted that BSU students' success in international competitions, such as "TEKNOFEST" and "Robotex Eurasia," is a direct result of the university's efforts to enhance the students' knowledge and skills.

For more information, please click here

- You Xin is pursuing doctoral studies at the Faculty of International Relations and Economics of Baku State University (BSU) through the Intergovernmental Scholarship Program. Having completed her master's degree at BSU as well, You Xin is conducting scientific research on the topic "Azerbaijan-China International Relations."

While expanding her knowledge in this field, she also aims to contribute to the development of relations between Azerbaijan and China. You Xin emphasizes that the years she spent in Azerbaijan and at BSU have been very valuable for her, highlighting that the knowledge and experience she gained here played an important role in her development:

- How did you decide to study in Azerbaijan?
- During my studies in China, my university professors spoke about the opportunity to study in Azerbaijan. I learned about the Intergovernmental Scholarship Program and decided to apply. After hearing that Azerbaijan's education system in the field of international relations is at a high level, I found studying here even more appealing.
- How do you remember your first years of education at BSU?
- It was a period full of unforgettable moments for me. I made many friends, and being surrounded by warm relationships motivated me even more. Azerbaijan's education system, its hospitable people, and its social environment have been very beneficial for me. This positive experience directed me to continue my studies in Azerbaijan.
- What experiences have you gained during your education?
- My master's degree was in international journalism and information policy. During my master's studies, I interned at AZERTAC. AZERTAC has strong ties with Xinhua, the Chinese State News Agency. AZERTAC, as a state agency with broad and diverse international relations, gave me very valuable experience. During my internship, I gained deep knowledge both in Azerbaijan's internal news and foreign relations.

- What is your current research topic?
- Currently, I am conducting research in the field of international relations between Azerbaijan and China. My master's thesis focused on media relations between Azerbaijan and China. My interest in deepening the relations between these two countries inspired my doctoral research. My goal is to propose specific suggestions in my country regarding the development and strengthening of cooperation with Azerbaijan.
- How did you adapt to Azerbaijani culture?
- When I first arrived in Azerbaijan, I experienced cultural shock because there were many differences. However, over time, I had no difficulty adapting to Azerbaijani culture. I am particularly drawn to the Novruz holiday. The Spring Festival is also celebrated in China, and both countries have similar traditions around the holiday, such as cleaning, making sweets, and lighting fires. These similarities provided a unique experience for me and made the cultural integration process easier.
- What is your favorite thing about Azerbaijan?
- The hospitality and sincerity of the Azerbaijani people have greatly impressed me. These qualities made me feel closer to Azerbaijan. The experiences here have been very valuable to me, both academically and personally.
- How do you see the future of relations between China and Azerbaijan?
- I believe that the relations between China and Azerbaijan have great potential. These relations can further deepen, particularly in the areas of economy, trade, and culture. China's close relations with Azerbaijan will be beneficial for both countries. In the future, more joint projects and initiatives can be implemented.
- What are your plans?
- After returning to my country, I want to conduct deeper research in the field of international relations between Azerbaijan and China and participate in various projects in this area. I also intend to work on developing intercultural relations.

Prepared by: Narmina Asadova

For more information, please click here

❖ An awareness event dedicated to the International Day of Persons with Disabilities was held at Baku State University (BSU), jointly organized by the "Regional Development" Public Union, the "100 Days – 100 Initiatives" campaign participants from BSU, and the "Ümid var" Inclusive Creativity Union. The program engaged children with disabilities in hands-on activities aimed at enhancing their ecological knowledge, creative thinking, and practical skills. Participants explored the aquaponics system and observed

water-based plant cultivation, took part in practical planting activities, and attended a masterclass on painting birdhouses.

For more information, please click here

- At the same time, informative sessions for parents were conducted with the participation of psychologists and specialists. At the end of the event, all participants received certificates and gifts. It should be noted that the main purpose of the initiative was to support the social, emotional, and cognitive development of children with disabilities by strengthening their interaction with nature and creativity.

For more information, please click here

- The Learning Development Center at Baku State University (BSU), in collaboration with the Psychological Support Sector, recently organized a training session titled "Managing Exam Stress" for students. During the training, students were provided with detailed information on the impact of stress on daily life, methods of stress management, stress responses, and factors contributing to exam-related stress. It was emphasized that stress can arise from various factors in daily life and that effective management techniques are essential for maintaining well-being. Participants were introduced to practical stress management strategies, including effective breathing techniques and progressive muscle relaxation exercises, which can be used during periods of heightened stress.

For more information, please click here

- The 2nd Eurasian Forum on Artificial Intelligence and Data Science commenced today at the Baku Congress Center. Organized jointly by Baku State University (BSU), Codelandia LLC, and Ben-Gurion University of the Negev (Israel), the forum brings together researchers, specialists, and innovators from around the world, providing a platform to discuss the latest achievements in AI and data science. The three-day forum serves as a major venue for exchanging ideas and experiences on AI theory, the development of new methods, and applications of data science in medicine, cybersecurity, sports, agriculture, and other fields. The opening session was led by BSU Rector Elchin Babayev, who highlighted the forum's importance in strengthening international scientific collaboration. He also emphasized the role of President Ilham Aliyev's sustained attention to information technology and digital development in advancing these fields. Rector Babayev announced the establishment of a new Department of AI Ethics at BSU, which will promote ethical principles, transparency, and social responsibility in AI research. Other notable speakers at the opening included Farid Osmanov, Chairman of the Innovation and Digital Development Agency, Fariz Jafarov, Executive Director of the 4th Industrial Revolution Analysis and Coordination Center (4SIM), Dan Blumberg, Vice President for Regional and Industry Development at Ben-Gurion University, and Gunel Jannatova, CEO of Codelandia, who all underscored the forum's significance. The forum's scientific program features presentations from renowned global scholars covering topics such as global AI and data markets, ethical and practical challenges of AI in healthcare, and the role of higher education in the modern information-driven world. Participants will also engage in panel discussions, presentations, and interactive exchanges, generating new ideas for the development of AI and data science in the region.

For more information, please click here

- A round table dedicated to the **World Day for Decent Work** was held at **Baku State University (BSU)**, organized by the University's **Trade Union Committee**. Professor **Alish Gasimov**, Head of the Department of Labour and Environmental Law, spoke about the essence of decent work, the efforts undertaken by the Azerbaijani state and trade unions in this regard, and the importance of establishing the World Day for Decent Work. He also highlighted the key tasks ahead in ensuring the protection of employees' labour rights. **Uzeyir Shafiyev**, Head of the Department of Social Work at the Faculty of Social Sciences and Psychology, addressed existing issues related to labour law and the measures implemented in Azerbaijan to protect workers' rights. He provided a comparative analysis of the national labour law system and those of foreign countries. **Farida Aslanova**, Senior Lecturer at the Department of Labour and Environmental Law, discussed the prevention of discrimination in labour relations and the conditions necessary for ensuring decent work, emphasizing the historical significance of the World Day for Decent Work. The event concluded with an engaging discussion and a Q&A session with the participants.

For more information, please click here

- An open discussion on "Gender Equality in Azerbaijan" was organized by the "Sustainable Development Goals" club under the "BDU Volunteers" organization. During the discussion, various meanings of the term "gender" in modern society and its manifestations were explored. It was emphasized that gender equality and the highest level of protection for women's rights in Azerbaijan are results of the state policies established by the Great Leader Heydar Aliyev. The discussion also highlighted the provisions in the "Law on Guarantees of Gender (Men and Women) Equality" of the Republic of Azerbaijan and how the established legal framework regulates this area, with oversight provided by relevant state institutions. It was noted that the fifth of the 17 Sustainable Development Goals, adopted by world leaders at the UN in 2015, are dedicated to gender equality. By 2030, countries around the world have identified priorities for addressing each goal to achieve all targets.

For more information, please click here

- Starting from the 2025/2026 academic year, Baku State University (BSU) will award a targeted scholarship named “Excellence” to students admitted to undergraduate programs with scores exceeding 550 who also achieve the highest results among applicants in various fields. These students will receive a monthly stipend of 200 AZN until the end of the academic year. This decision was approved by the BSU Scientific Council.It should be noted that BSU will admit students to 75 undergraduate programs during the 2025/2026 academic year.

For more information, please click here

- A training session titled *“Mysteries of History”* was held for students and children of martyrs and veterans participating in the Summer Camp dedicated to the *“Year of the Constitution and Sovereignty”*. The event was organized by Baku State University (BSU), the Eurasian Regional Center of the Islamic Cooperation Youth Forum (ICYF-ERC), the “BSU Volunteers” organization, and the “Amanat” Project for the Personal Development of Children of Martyrs and Veterans. The session was led by historian-researcher Araz Shahrli. During the training, the formation stages of Azerbaijani history and major socio-political events from ancient times to the present day were analyzed through comparative approaches. At the beginning of the session, issues such as the formation of national identity, the concept of homeland, and their development throughout historical processes were widely discussed. The training also provided information about the history, social structures, and domestic and foreign policies of different states that existed in the territory of Azerbaijan in various periods, including Albania, Atropatene, the Agh Goyunlu, the Gara Goyunlu, the Safavids, the Afshars, and the khanates. Comparative analysis was carried out on the works of authors who wrote about these states. Detailed information was presented on the creation of the Safavid order, its ideological foundations, and its political influence. The session also focused on the Russian invasions of Azerbaijani territories, their historical consequences, and the changes they brought to the region.

For more information, please click here

❖ A scientific seminar titled “Gender Equality: Problems and Perspectives” was held at Baku State University (BSU), organized by the Faculty of Social Sciences and Psychology. At the seminar, Rena Ibrahimova, Head of the Department of Gender and Applied Psychology at BSU, delivered a keynote presentation. Dean of the Faculty of Social Sciences and Psychology, Rovshan Javadov, emphasized the importance of studying gender issues from various perspectives in the modern era. He noted that gender equality remains a relevant and pressing issue across all areas of society. In her presentation, Rena Ibrahimova highlighted that gender equality is an integral component of all United Nations Sustainable Development Goals (SDGs). She stressed that gender equality plays a crucial role in peace, security, quality education, and social welfare. In this context, she underlined the particular importance of increasing women’s participation in UN peacekeeping missions. According to the speaker, the involvement of women in peacekeeping activities contributes positively to establishing effective communication with local communities in conflict zones, building trust, and ensuring sustainable peace. The speaker also referred to global experience, discussing the level of women’s representation in law enforcement and human rights institutions. Rena Ibrahimova further pointed out that gender equality is also reflected in the arts. She provided a gender-based analysis of the painting “Bond of Union” by the famous Dutch artist Maurits Cornelis Escher, noting that although it is easy to identify the gender of the two heads connected by a ribbon in the artwork, the main message lies not in their gender but in their equal representation. She emphasized that both figures are depicted in the same form, with equal value and status, symbolizing gender equality. At the end of the seminar, extensive discussions were held on the topic, and participants’ questions were answered. In the concluding part of the event, Rena Ibrahimova expressed her gratitude to female employees of BSU’s security service for their work and presented them with gifts.

For more information, please click here

- A panel discussion titled “Victorious Azerbaijani Youth: New Challenges and Goals” dedicated to Azerbaijan Youth Day was held at Baku State University (BSU). The event’s moderator, Ramin Samadov, head of BSU's Department of Humanitarian Affairs and Youth Policy, stated that since its establishment, BSU has provided unparalleled services to our country, and its main mission, alongside academic and teaching activities, is to contribute significantly to strengthening the statehood, and forming national awareness and mindset by educating highly qualified specialist youth. He mentioned that the panel discussions on the topic "Victorious Azerbaijani Youth: New Challenges and Goals" are focused on the main objectives faced by the victorious youth of the victorious state in the post-war period. Nicat Mammadli, advisor to the Minister of Education, noted the need for a new global system and emphasized the necessity of young people with innovative, smart, and modern thinking in this matter. He pointed out that in Azerbaijan, efforts are being made to improve the quality of education at all levels, with higher education institutions playing a key role. He also highlighted the importance of increasing young people's interest in science, as the transfer of science to the economy necessitates this. Bakhtiyar Aslanbeyli, Vice President of BP for Foreign Relations and Communications in the Middle East and Caspian region, emphasized that Azerbaijan has made great strides over the past 30 years. This development opens new opportunities for young people. The increased competitiveness among young people in the modernization period pushes for a new stage. He stated that student youth must master their field of study at the highest level.

For more information, please click here

- A delegation from the Department of Psychology of Mirzo Ulugbek National University of Uzbekistan visited the Faculty of Social Sciences and Psychology of Baku State University (BSU). The delegation included Professor Dilbar Mukhamedova, Associate Professor Rukhsora Khudratullayeva, PhD in Psychology and Associate Professor Azizakhon Turakulova, and Senior Lecturer Diyora Khodjakhulova. They held a meeting with Dean Rovshan Javadov. The guests also visited the Departments of Psychology, Social and Pedagogical Psychology. The Head of the Psychology Department, Doctor of Psychological Sciences Sakhavat Aliyeva, together with Professors Rena Gadirova and Imdad Bayramov, Associate Professors Sevinj Guliyeva, Azer Mustafayev, Kamila Kazimova, and PhD in Psychology Nigar Nasirova, engaged in academic discussions and exchanged views with their Uzbek colleagues. The Uzbek delegation presented an exhibition entitled *"The Identity of Uzbek Women"* at the Faculty of Social Sciences and Psychology. The exhibition showcased photo exhibits highlighting the significant contributions of Uzbek women to the development of science, culture, and sports. The exhibits also reflected the distinctive characteristics and personalities of Uzbek women, emphasizing their essential role in society and culture.

For more information, please click here

- Five students from Baku State University (BSU) — Mert Ustun, Aslan Bekirhan (Faculty of International Relations and Economics), Eylul Tanshi Karaca (Faculty of Social Sciences and Psychology), Burcu Chaylak (Faculty of History), along with Fidan Kərimli, a recent high-achieving graduate of BSU — are participating in the Youth Forum organized within the framework of the Organization of Islamic Cooperation (OIC) Week. Within the Forum, a plenary panel

titled “High-Level Perspectives: The Role of Youth in Regional Development” and a panel session titled “Country Interventions: National Perspectives on Assessing the Contribution of Youth Strategies to Sustainable Development” were held. Following the panel discussions, working groups were formed by the participants to discuss three key areas: economic and trade cooperation, sustainability and technology, and human development and people-to-people dialogue. During the working group meetings, BSU student Mert Üstün proposed the idea of an “ECO Volunteering” program for OIC countries, emphasizing that it would provide youth with valuable new experiences. It should be noted that the Forum gathered around 100 young people from 7 member countries, alongside representatives from government agencies, OIC officials, and experts.

For more information, please click here

- Three teams from Baku State University (BSU) have advanced to the finals of the competition titled *“Support for Student Initiatives – Project Vernissage”*, jointly organized by BSU and the DOST Agency. Within the framework of the competition, 43 teams from universities across the country, presenting digital, innovative, and creative ideas in the field of social development, participated, and 9 of them secured a place in the final stage. The project *“ÜFÜQ – Communication, Awareness, Hope, and Care”*, presented by Fatima Shiralieva, a second-year student of Psychology at the Faculty of Social Sciences and Psychology, aims to create a safe, anonymous digital platform where young people facing mental health challenges can express their feelings and receive support and motivation. The project *“NeuroScreen”*, presented by Jamil Jafarli, a third-year student of Information Security at the Faculty of Applied Mathematics and Cybernetics, focuses on reading and filtering the brain signals of paralyzed patients to enable the control of IoT-based smart home technologies, digital tools, and robotic prosthetics. It also provides real-time health monitoring and AI-based diagnostics. The project *“SƏS – Voice of the Voiceless”*, presented by Gulgun Shafiyeva, a second-year Psychology student at the Faculty of Social Sciences and Psychology, seeks to develop an AI-based mobile and web platform for young people with hearing impairments. The platform is designed not only to provide access to information but also to allow users to showcase their skills to society and generate income through their talents. The finalists will have the opportunity to present their projects at the international conference *“SOCGOV 2025: Artificial Intelligence for Humanity and Transformation”*, to be held in Baku on October 24.

For more information, please click here

- For the 2025/2026 academic year, 62 foreign nationals have been granted the opportunity to study in Azerbaijani higher education institutions under the Intergovernmental Scholarship Programs (ISP). Among them, 12 students—including 9 from the People's Republic of China, 1 from Kazakhstan, 1 from Tajikistan, and 1 from Kyrgyzstan—will pursue their studies at Baku State University (BSU). These international students will enroll in BSU programs in International Relations, World Economy, Philology, Social Psychology, and Social-Psychological Services in Education.

For more information, please click here

- From 3–9 August 2025, the Ministry of Youth and Sports of the Republic of Azerbaijan, in cooperation with the Azerbaijan Sport Academy (ASA), organized the international summer camp "A Step Towards Sustainable Development" at the Guba Olympic Sports Complex. The camp brought together young participants from Türkiye, Kazakhstan, Kyrgyzstan, and Azerbaijan. Representing Baku State University (BSU), students joined the event alongside the University's Advisor to the Rector on Quality Policy, **Asiman Ilyasov**, who was invited as a guest speaker.Throughout the program, participants engaged in lectures, training sessions, group work, and discussions on topics such as the Sustainable Development Goals, healthy lifestyles, gender equality, sports and well-being, and responding to global challenges. In addition to the educational component, the camp featured cultural evenings, inter-team

sports competitions, and excursions to the historical and cultural landmarks of the Quba region. Participants also showcased their national traditions, fostering stronger ties of friendship and cooperation among Turkic-speaking countries. At the closing ceremony, certificates were presented to all participants. The organizers emphasized their commitment to continuing such international initiatives in the future.

For more information, please click here

- The "Open Day" events organized by "BSU Volunteers" at Baku State University (BSU) have come to an end. Held between July 28 and August 8, the "Open Days" gathered a total of 1,259 prospective students (803 female and 456 male). Among the participants, 448 applicants had scored 200–400 points in the entrance exams, 649 scored between 400–600, and 162 scored 600 or above. As part of the "Open Day" program, BSU staff conducted information sessions for applicants and answered their questions related to program selection. Daily sessions and campus tours provided detailed information about the university's academic and social activities, as well as educational opportunities available to students.

For more information, please click here

- On September 4, 2025, a meeting was held at **Baku State University (BSU)** regarding the establishment of the **OIC Model Alumni Association**, organized by the Eurasian Regional Center of the Islamic Cooperation Youth Forum (ICYF-ERC) on **OIC Youth Day**. The event was attended by Ramin Samedov, Head of the Department for Humanitarian Affairs and Youth Policy at BSU; Rafig Ismayilov, Director General of ICYF-ERC; and Parvin Rahimli, an OIC Model alumnus and researcher at Waseda University in Japan. In their speeches, they discussed the goals and objectives of the Association. Later, Ramin Habibzade, Deputy Director General of ICYF-ERC, held interactive discussions with the

participants. It was noted that the main purpose of creating the OIC Model Alumni Association is to expand students' social connections, establish a mentorship network for them, and collect alumni feedback to improve the program.

For more information, please click here

- The final stage of the BSU Intellectual League, dedicated to the "Year of the Constitution and Sovereignty," has been held at Baku State University (BSU). The competition was initiated by the "BSU Volunteers" organization, with "Apply-Uni" Overseas Education Company as the main sponsor and "Berg" company as a partner. At the conclusion of the final stage, Head of the Department of Humanitarian Affairs and Youth Policy at BSU, Ramin Samadov, emphasized that intellectual games play an important role in developing students' analytical thinking skills, fostering team spirit, and increasing social engagement. He wished success to all participants. In the final stage, where 19 teams competed, participants tested their knowledge to earn the title of BSU's strongest team and claim the championship cup. Following the results of the three-stage competition, the "Lusıfir4" team secured first place, the "Sapientia" team took second place, and the "Hexateam" team was awarded third place. The winning teams were presented with certificates and trophies.

For more information, please click here

- The play *"Aesop"*, staged by students of the Culture and Creativity Center of Baku State University (BSU), has been named the winner of the "Pillə-3" National Student Theatre Festival, held among universities. The festival was jointly organized by the Ministry of Science and Education, the Ministry of Culture, and the Azerbaijan State University of Culture and Arts. The festival, which took place from May 26 to June 2, concluded today with a closing and award ceremony. A total of 19 performances by students from various higher education institutions were showcased throughout the event. BSU's *"Aesop"* was awarded the **"Best Performance"** title. The stage director of the play was Vahid Orucoglu, director at BSU's Culture and Creativity Center. The roles were performed by university

students: Huseyn Jabbarli, Fidan Sultanova, Ramazan Ramazanzade, Nuran Atakishiyev, Rana Asadova, and Murad Gambarov. The play is based on the life and philosophical fables of Aesop, one of the iconic figures of world literature. Aesop, the ancient Greek fabulist (6th century BC), is known for his short yet profoundly meaningful stories that have conveyed life lessons across generations. Through animal characters, Aesop skillfully critiqued human nature and the strengths and weaknesses of society. Fables like *"The Fox and the Grapes"*, *"The Wolf and the Lamb"*, and *"The Crow and the Pitcher"* remain highly relevant even today.

For more information, please click here

CONCLUSION

The university has taken meaningful steps to support students from diverse backgrounds, enhance accessibility for individuals with disabilities, expand scholarship and support programs, and encourage social awareness on issues related to equality and human rights. These efforts contribute to creating a supportive and inclusive academic environment where all students can develop their potential and actively participate in university life. BSU's initiatives — ranging from inclusive education policies and student support services to community engagement activities and international collaboration—demonstrate the university's commitment to addressing inequalities within the higher education sector and beyond. By fostering dialogue, promoting equal opportunities, and supporting vulnerable groups, the university helps strengthen social cohesion and contributes to the broader goals of sustainable and inclusive development.

SDG FOCUSED MEMBERSHIPS

SDG FOCUSED RANKING RESULTS

Rated for Excellence

Baku State University

Through rigorous and independent data collection and analysis of performance metrics as set out in the QS Stars™ methodology Baku State University has been awarded 5 Stars.

TEACHING

FACILITIES

EMPLOYABILITY

GOOD GOVERNANCE

ENVIRONMENTAL IMPACT

ACADEMIC DEVELOPMENT

GLOBAL ENGAGEMENT

CHEMISTRY

DIVERSITY, EQUITY & INCLUSION

QS Stars

The QS Stars™ rating system evaluates universities across a wide spectrum of important performance indicators as set against pre-established international standards. By assessing a broader scope of criteria than any world ranking exercise, QS Stars™ illuminates the unique strengths and diversity of the rated institution with both precision and clarity.

Leigh Kamolins, Head of Evaluation

UI GreenMetric
UNIVERSITAS INDONESIA
UI GreenMetric World University Rankings 2025
CERTIFICATE
This certificate is awarded to
Baku State University
as The 493rd World's Most Sustainable University
in 2025 UI GreenMetric World University Rankings
5 December 2025
UI GREENMETRIC WORLD UNIVERSITY RANKINGS
Dr. Vishnu Juwono, S.E., MIA
Chairperson of UI GreenMetric

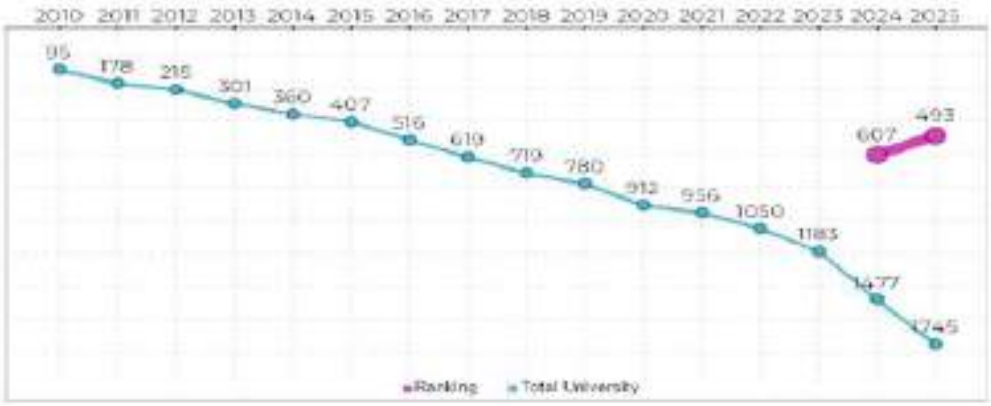
4. RANKING IN AZERBAIJAN

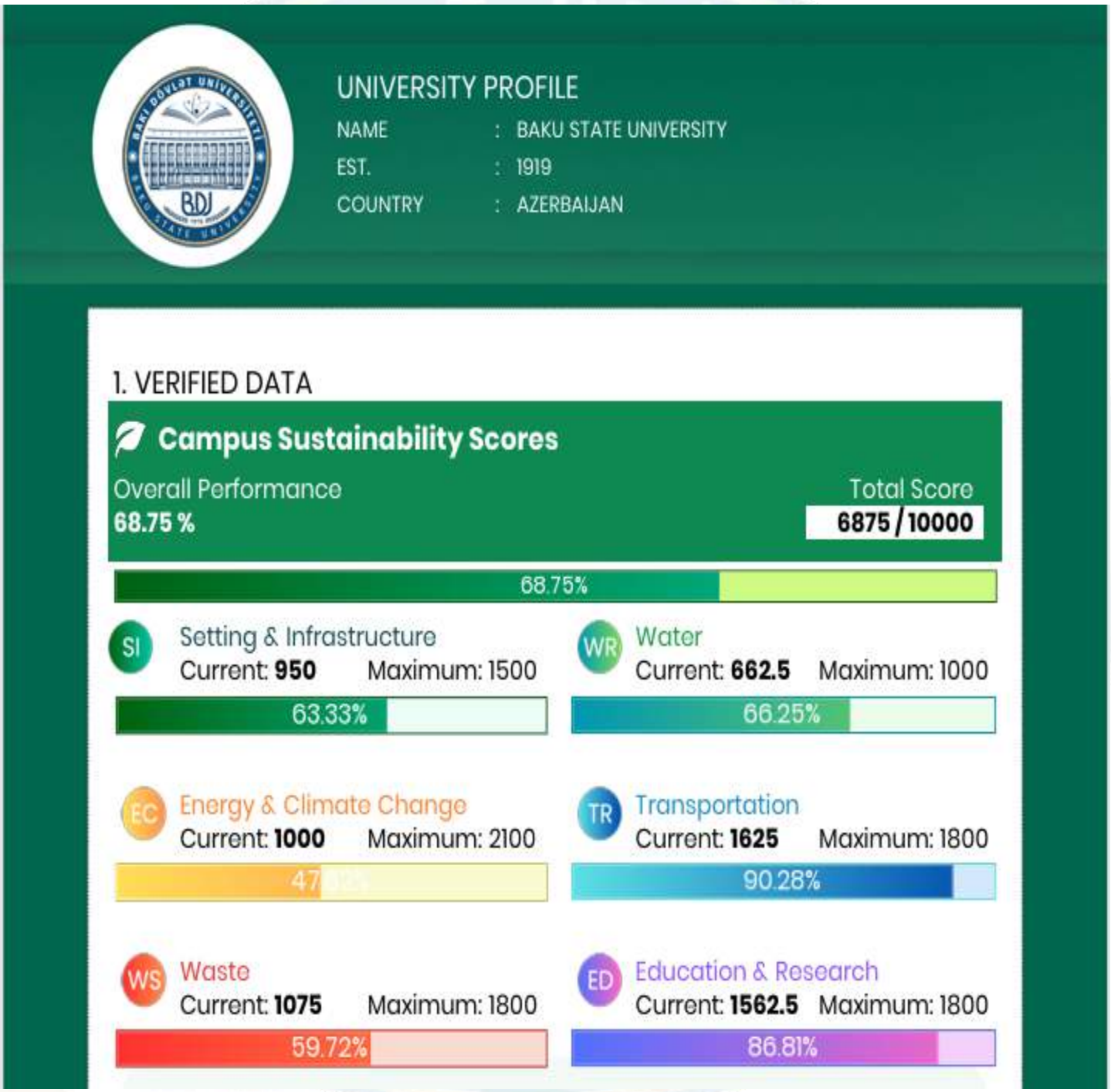
Country Ranking	SI Ranking	EC Ranking	WS Ranking	WR Ranking	TR Ranking	ED Ranking
1	2	11	3	5	1	2

2. RESULTS SUMMARY

World Ranking	SI Ranking	EC Ranking	WS Ranking	WR Ranking	TR Ranking	ED Ranking
493	660	1102	654	607	98	239

3. WORLD RANKINGS HISTORY




UNIVERSITY PROFILE
NAME : BAKU STATE UNIVERSITY
EST. : 1919
COUNTRY : AZERBAIJAN
1. VERIFIED DATA
Campus Sustainability Scores
Overall Performance
68.75 %
Total Score
6875 / 10000
68.75%
SI
Setting & Infrastructure
Current: 950 Maximum: 1500
63.33%
WR
Water
Current: 662.5 Maximum: 1000
66.25%
EC
Energy & Climate Change
Current: 1000 Maximum: 2100
TR
Transportation
Current: 1625 Maximum: 1800
90.28%
WS
Waste
Current: 1075 Maximum: 1800
59.72%
ED
Education & Research
Current: 1562.5 Maximum: 1800
86.81%

THE IMPACT RANKINGS

RANKED
2025
QS WORLD UNIVERSITY RANKINGS
SUSTAINABILITY RANKINGS 2025
Baku State University
941-950
in overall performance
December 2024
Date

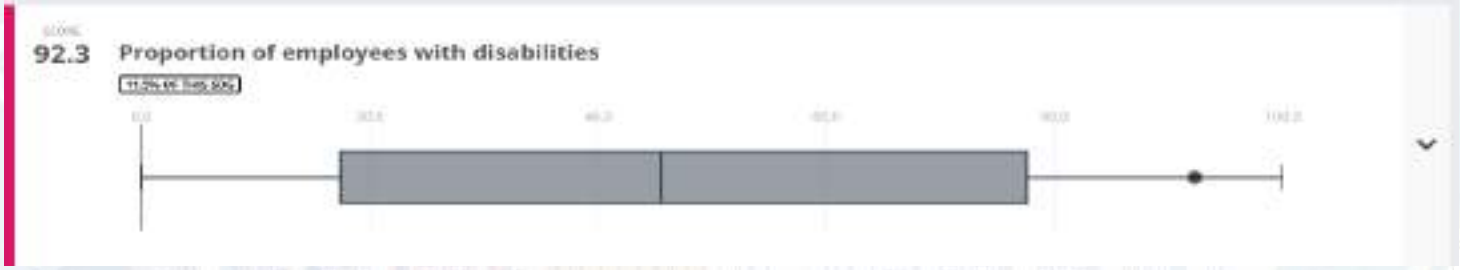
THE IMPACT RANKINGS
OVERALL RANK
401–600
out of 2318
institutions

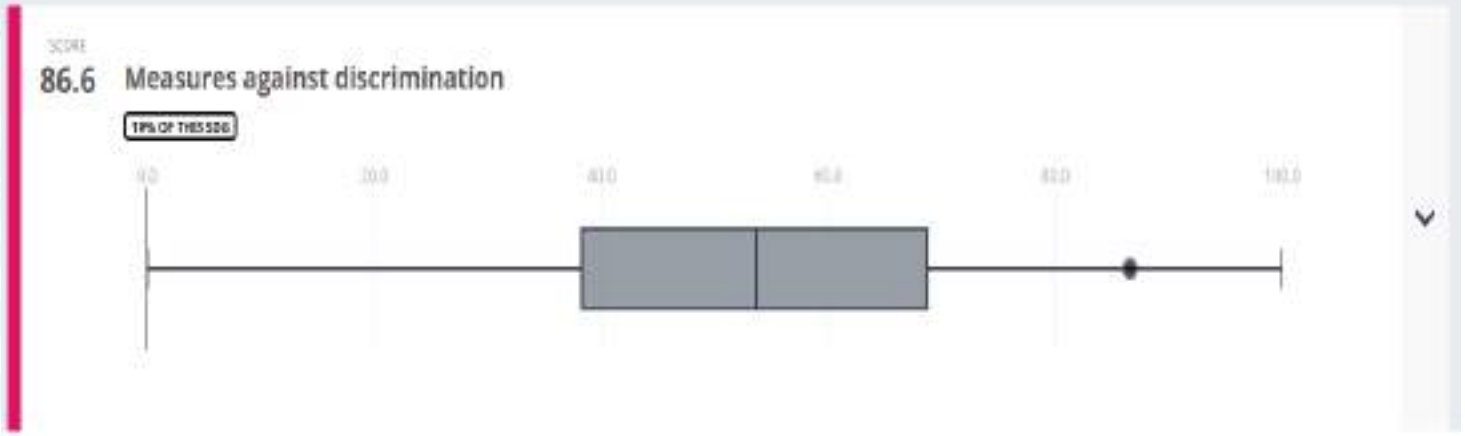
OVERALL SCORE
71.8 out of 100
OVERALL RANK
401–600 out of 2318 institutions
SDG PARTICIPATED
15 out of 17 Sustainable Development Goals
SDG SCORES

'HE Impact Rankings 2025
Download
Back
Previous
SDG 10
Next
10
REDUCED INEQUALITIES
80.7
=53
Select reference group
Worldwide
Select individual peers
Sort by: Name A-Z
Clear search
Name
Rank
82.0
Research on reduced inequalities
78.4
First-generation students

84.3
Students from developing countries

54.0
Proportion of students with disabilities


92.3
Proportion of employees with disabilities


86.6
Measures against discrimination

SDG FOCUSED RESEARCH

Introduction

Reducing inequalities is a key dimension of sustainable development, and it remains a pressing challenge for societies worldwide. At Baku State University (BSU), research and academic initiatives aligned with Sustainable Development Goal 10 (SDG 10) focus on addressing disparities within education, social inclusion, gender equality, and economic participation. Azerbaijan's rapid economic and social transformations have created opportunities for growth but have also highlighted structural inequalities between regions, income groups, and communities. BSU, as the country's leading higher education institution, plays a central role in generating knowledge and policy recommendations that contribute to building a more inclusive society.

Scholars at BSU investigate diverse aspects of inequality—from access to quality education and digital technologies, to gender dynamics, migration issues, and the integration of vulnerable populations into social and economic life. Research also extends to comparative studies, drawing lessons from international practices to propose solutions tailored to Azerbaijan's context. By engaging with international partners and local stakeholders, BSU contributes evidence-based insights for reducing social and economic disparities.

Through academic research, public policy dialogue, and student-led initiatives, BSU demonstrates its commitment to advancing SDG 10. These efforts not only enhance social cohesion and equity in Azerbaijan but also reinforce the university's role as a hub for sustainable development research in the wider region.

For all SDGs related articles please visit: https://www.scopus.com/pages/organization/60071969#tab=sdgs

SDG contributions

Goal 1: No poverty	9 documents	Goal 10: Reduced inequalities	40 documents
Goal 2: Zero hunger	74 documents	Goal 11: Sustainable cities and communities	37 documents
Goal 3: Good health and well-being	241 documents	Goal 12: Responsible consumption and production	44 documents
Goal 4: Quality education	21 documents	Goal 13: Climate action	55 documents
Goal 5: Gender equality	12 documents	Goal 14: Life below water	50 documents
Goal 6: Clean water and sanitation	83 documents	Goal 15: Life on land	31 documents
Goal 7: Affordable and clean energy	353 documents	Goal 16: Peace, justice and strong institutions	36 documents
Goal 8: Decent work and economic growth	68 documents	Goal 17: Partnership for the goals	47 documents
Goal 9: Industry, innovation and infrastructure	101 documents		

1. Authors: Teymurova, V.E., Abdullayeva, S., Muradova, K., Aslanova, M.M., Bayramli, M.

Focus: Environmental issues in Azerbaijan and their economic impact.
Methods: Economic analysis, HDI and vocational education assessment.
Findings: Losses from air pollution and land degradation; post-COVID HDI recovery; weak vocational education limits innovation.
Recommendation: Expand green technologies and international cooperation for sustainable growth and competitiveness.

Full text

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2. Authors: Babayev, F.F., Goncharenko, I.M., Mazur, H., Abdullaev, U., Chernyaha, L.

Focus: Impact of foreign investment on economic growth in Ukraine, Azerbaijan, and Uzbekistan.
Methods: Economic and SWOT analysis.
Findings: Investment boosts GDP, reduces unemployment, drives innovation, and improves infrastructure/environment. Risk of overdependence on subsidies.
Recommendation: Create a favorable investment climate for sustained growth and global integration.

Full text

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3. Authors: Abdullayev, K., Badalova, S., Mustafayev, A., Zeynalov, M., Babayeva, A.

Focus: Development of Azerbaijan's digital economy.
Methods: Policy and economic analysis.
Findings: Challenges include low digital literacy and reduced high-tech funding; foreign investment and human capital key drivers.
Recommendation: Improve ICT education, involve foreign experts, and upskill specialists to enhance digitalization.

Full text

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4. Authors: Changizi K.K., Gangiov, G., Abbasov, V.

Focus: Iran–Azerbaijan trade relations.
Methods: Gravity model analysis (1991–2018).
Findings: Trade potential underutilized due to financial, banking, and customs barriers.
Recommendation: Remove obstacles to double trade volume and optimize regional advantages.

Full text

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5. Authors: Rzayev, R.R., Aghajanov, J.
Focus: Risk management in commercial banking.
Methods: Risk Management System (RMS), fuzzy logic, Fuzzy Inference Systems.
Findings: Higher capital reduces losses; fuzzy models improve risk assessment and decision-making.
Recommendation: Integrate fuzzy cognitive models for robust banking risk evaluation.
Full text

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6. Authors: Akparov Z., Hajiyeva S., Sukhjiwan K., Hamwieh A., +12 others
Focus: Pomegranate genome sequencing.
Methods: Genomic sequencing of Azerbaijani and global cultivars.
Findings: Identified chromosome evolution events, genetic similarities, and cultivar mixing patterns.
Recommendation: Use insights for breeding and global diversity enhancement.
Full text

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7. Author: Aliyeva, Z.
Focus: Crime prevention policy in Azerbaijan.
Methods: 2021 data analysis, DBSCAN and K-Means clustering of 50 countries.
Findings: Azerbaijan clusters with Albania, Jordan, Mongolia, Romania, Serbia.
Recommendation: Adopt best practices from clustered countries for crime prevention strategies.
Full text

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8. Authors: Shahbazov, I., Afandiyev, Z., Balayeva, A.
Focus: Crime reporting by white-collar crime victims in Azerbaijan.
Methods: National survey (n=1,214; 186 white-collar crime victims).
Findings: Financial loss increases reporting; income inversely affects non-financial reporting; private compensation common.
Recommendation: Address barriers to reporting and strengthen legal protections.
Full text

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9. Author: Akhundova, A.H.G.
Focus: Special Economic Zones (SEZs) in Azerbaijan and tourism development.
Methods: Economic and policy analysis (1993–2009).
Findings: SEZs boosted investment and tourism but links remain underexplored.
Recommendation: Strengthen SEZ–tourism integration to maximize growth.
Full text

10. Author: Gasimova, C.
Focus: Legal protection of deceased persons' data in Azerbaijan.
Methods: Comparative legal analysis (GDPR vs. Azerbaijani law).
Findings: Gaps in legislation on deceased persons' data use and protection.
Recommendation: Update legal framework to align with international standards.
Full text

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11. Authors: Orudzhev, E.G., Alizade, A.
Focus: Economic integration of Azerbaijan and Ukraine (1994–2018).
Methods: Gravity econometric modeling, trade turnover analysis.
Findings: Integration limited by short- and long-term trade dynamics.
Recommendation: Improve export-import regulation and bilateral trade policies.
Full text

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12. Author: Abdullayev, T.N.
Focus: Investment cooperation between the Asian Development Bank (ADB) and Azerbaijan.
Methods: Policy and legislative review.
Findings: ADB supports key sectors (agriculture, energy, ICT, infrastructure); legislative gaps exist.
Recommendation: Update investment laws and strengthen investor rights.
Full text

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13. Author: Aliyeva, L.A.
Focus: Gender roles in the Caucasus (last 30 years).
Methods: Sociological and cultural analysis.
Findings: Traditional norms persist; women's public engagement remains limited.
Recommendation: Promote gender equality in education, careers, and politics.
Full text

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14. Author: Rasulzade, N.
Focus: Product quality standards in Azerbaijani trade law.
Methods: Comparative analysis with 1980 Vienna Convention.
Findings: Gaps in Civil Code regarding objective conformity principle.
Recommendation: Align legislation with international trade standards.
Full text

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15. Author: Mahmudzade, N.
Focus: Regulation and supervision of financial markets post-crisis.
Methods: Comparative analysis of regulatory frameworks.
Findings: Regulatory authorities' accountability remains uneven.
Recommendation: Strengthen supervisory frameworks for transparency and responsibility.
Full text

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16. Author: Alikhanli, Y.
Focus: Foreign trade and economic growth in Azerbaijan.
Methods: OLS regression, cointegration analysis.
Findings: GDP drives imports with 3-period lag; exports and GDP linked; weak effect from trade openness.
Recommendation: Strengthen export strategies to boost economic growth.
Full text

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17. Authors: Bilovus, H., Mudrokha, V., Pavliuk, K., Kazimi, P.
Focus: Library modernization through innovative management and IT projects.
Methods: Case study (Radekhiv children's library "Jolly Erudite").
Findings: Innovative projects enhance community partnerships and library services.
Recommendation: Adopt similar IT-driven strategies in other libraries for modernization.
Full text

Baku State University

2024 REPORT ON

11 SUSTAINABLE CITIES AND COMMUNITIES

INTRODUCTION

This report highlights the sustainable initiatives and contributions of Baku State University (BSU) to Sustainable Development Goal 11 (SDG 11), which focuses on Sustainable Cities and Communities. BSU, founded in 1919, has established itself as a prominent educational institution in Baku, Azerbaijan, with a significant role in promoting sustainability at the local and national levels.

BSU has a rich Scientific Library, numerous museums, and a Cultural and Creative Center that contributes to the cultural and educational fabric of the local community. The university offers flexible education, integrates with the European education system, and provides affordable housing options, ensuring that students and staff can thrive in the city. These initiatives align with SDG 11 by fostering a more inclusive, sustainable, and culturally rich urban environment.

In conclusion, BSU's comprehensive efforts align with SDG 11 by enriching the city and community through education, culture, infrastructure, and inclusivity, fostering a more sustainable and vibrant urban environment.

SDG 11. SUSTAINABLE CITIES AND COMMUNITIES

Baku State University (BSU) is one of the leading higher education institutions in Azerbaijan, distinguished not only by its academic excellence but also by its contribution to sustainable urban and cultural development in line with SDG 11: Sustainable Cities and Communities.

The Scientific Library of BSU, established in the university's foundation year, is among the richest academic libraries in the country. By maintaining information exchange with 49 universities across 21 countries, the library strengthens knowledge accessibility and international cooperation. As an intellectual hub for students, researchers, and the wider public, it promotes inclusive access to educational resources—an essential component of sustainable and resilient communities.

Cultural heritage preservation is a key dimension of BSU's contribution to SDG 11. The university established the first university museum in Azerbaijan in 1919. Today, several museums operate within BSU, including the Heydar Aliyev Museum, the History Museum of BSU, the Museum of Minerals, the Museum of Archaeology and Ethnography, and the Museum of Evolutionary Education. These institutions safeguard national heritage, promote cultural awareness, and create interactive learning environments that strengthen cultural identity and social cohesion.

The Cultural and Creative Center further enhances community engagement and social sustainability. Through instrumental and dance ensembles, choir groups, and drama clubs, the Center supports artistic expression and youth participation in cultural life. It actively contributes to national celebrations, public festivals, and international cultural events, reinforcing the role of universities as active contributors to vibrant urban communities.

BSU also supports sustainable campus development and inclusive living conditions. The "Student House" provides affordable accommodation for local and international students, helping address urban housing challenges. Equipped with modern facilities—including study rooms, a library, leisure spaces, kitchen areas, and essential services—the dormitory reflects the university's commitment to safe, inclusive, and accessible living environments, aligned with SDG 11 targets related to inclusive urbanization.

By integrating the European three-cycle education system (Bachelor's, Master's, PhD) and implementing the European Credit Transfer System (ECTS), BSU ensures internationally compatible education standards. Its digital learning platforms enable remote communication and flexible teaching practices, contributing to sustainable and adaptive educational infrastructure.

Through its academic, cultural, and social initiatives, BSU plays a significant role in promoting sustainable communities, protecting cultural heritage, ensuring inclusive access to education and housing, and strengthening institutional resilience. These efforts position the university as an active contributor to the achievement of SDG 11 within the national and regional context.

NEXT LECTURE-CONCERT UNDER THE "GEMS OF ART" PROJECT OF THE MINISTRY OF CULTURE HELD AT BSU

At Baku State University, a lecture-concert under the "Gems of Art" project was held within the framework of the 17th Uzeyir Hajibayli International Music Festival, organized by the Heydar Aliyev Foundation and the Ministry of Culture of the Republic of Azerbaijan. The event highlighted the significant role of Uzeyir Hajibayli in the development of Azerbaijani professional music and compositional school. The program included a thematic lecture and artistic performances by leading cultural institutions and students, featuring works by Uzeyir Hajibayli and Muslim Magomayev, and was warmly received by the audience.

For more information click links here

BSU AND "REGIONAL DEVELOPMENT" PUBLIC UNION SIGN MEMORANDUM OF UNDERSTANDING

Baku State University and Regional Development Public Union (RDPU) have signed a Memorandum of Understanding to expand their long-standing cooperation. The agreement envisages joint projects and initiatives in social, economic, environmental, scientific, cultural, educational, and IT fields, with a strong focus on youth engagement and sustainable development. The partnership will support the organization of conferences, competitions, and projects aligned with labor market demands, as well as provide students with volunteer and internship opportunities to enhance their professional skills, civic responsibility, and practical experience.

For more information click links here

RESEARCH ON THE SOCIO-ECONOMIC AND DEMOGRAPHIC DEVELOPMENT CHALLENGES OF AZERBAIJANI CITIES AT BSU

On the eve of the 13th session of the World Urban Forum (WUF13), to be hosted in Baku in 2026, Baku State University organized an academic seminar titled “Sustainable Socio-Economic and Demographic Development Characteristics of Azerbaijani Cities.” The event, initiated by the Faculty of Geography and the Student Youth Organization, highlighted the importance of sustainable urban governance in a globalized context. During the seminar, Associate Professor Etibar Badalov presented an analysis of urbanization dynamics, demographic processes, migration flows, and environmental pressures affecting Azerbaijani cities, emphasizing that sustainable urban development depends not only on economic growth but also on social well-being, ecological balance, and adaptive urban management. The

seminar concluded with discussions and a Q&A session on future urban development prospects.

Members of the Geology Faculty of the "BSU Volunteers" organization at Baku State University visited the Heydar Aliyev Center on the occasion of the Commemoration Day of National Leader Heydar Aliyev. The visit aimed to deepen students' understanding of the National Leader's life, political legacy, and his significant role in the development of Azerbaijani statehood. During the tour, participants explored exhibitions featuring archival materials, photographs, and multimedia presentations highlighting key stages of the country's history, while also receiving information about the architectural concept and cultural significance of the Center.

For more information click links here

SCIENTIFIC ESMINAR TITLED "OUR HISTORICAL-CULTURAL HERITAGE AND MODERN SOCIETY" HELD

A scientific seminar titled "Our Historical-Cultural Heritage and Modern Society" was jointly organized by the volunteers of the History Faculty of Baku State University and the volunteers of ASAN Service No. 3 Baku Center. During the event, a presentation highlighted Azerbaijan's rich historical and cultural heritage, stressing the importance of preserving monuments, particularly those in Western Azerbaijan, and safeguarding sites included in the UNESCO World Heritage List. The seminar aimed to strengthen youth awareness of

cultural heritage protection and its vital role in shaping modern society.

For more information click links here

BSU STAFF PARTICIPATES IN THE EVENT DEDICATED TO THE 21ST ANNIVERSARY OF THE CREATION OF HIRKAN NATIONAL PARK

Professors from the Faculty of Biology of Baku State University participated in a roundtable in Lankaran marking the 21st anniversary of Hirkan National Park, organized by the Biodiversity Protection Service under the Ministry of Ecology and Natural Resources. The event brought together representatives of academic institutions and international organizations, including World Wide Fund for Nature (WWF), to discuss the protection of the park's rich biodiversity, expansion of scientific research, development of ecotourism, and the importance of including the Hirkan forests in the UNESCO World Heritage List.

For more information click links here

MEETING ON "THE ROLE OF HIGHER EDUCATION IN THE IMPLEMENTATION OF THE SUSTAINABLE DEVELOPMENT GOALS" HELD AT BSU

A meeting titled "The Role of Higher Education in the Implementation of the Sustainable Development Goals" was held at Baku State University within the framework of the "Urban Talks" project initiated by the "BSU Volunteers" organization. During the event, the Rector's Advisor for Quality Assurance provided an overview of the SDGs, emphasizing the role of universities in advancing sustainable development through academic, research, and institutional initiatives, as well as their impact on international sustainability rankings. The "Urban Talks" platform also aims to enhance student engagement in sustainable urban development discussions, particularly in connection with the upcoming World

Urban Forum (WUF13), offering interactive sessions and practical learning opportunities related to modern urban approaches.

For more information click links here

PHD STUDENTS OF THE FACULTY OF GEOGRAPHY PRESENT AT NASCO XXVIII CONFERENCE

PhD students from the Faculty of Geography of Baku State University presented their research at the 28th Republican Scientific Conference of Doctoral Students and Young Researchers (NASCO XXVIII), organized by the Ministry of Science and Education of the Republic of Azerbaijan and held at the Azerbaijan State University of Oil and Industry. The presentations covered diverse topics, including tourism development, transport infrastructure, demographic trends, migration, climate change, GIS applications, and regional agricultural development. The participants' research contributions were highly appreciated, and each doctoral student was awarded a certificate in recognition of their active participation.

For more information click links here

MEETING WITH BSU VOLUNTEERS ON INTERNATIONAL VOLUNTEER DAY

On the occasion of 5 December – International Volunteer Day, the Rector of Baku State University met with active members of the “BSU Volunteers” organization, including former volunteers who now serve as university staff. During the meeting, the Rector highlighted the significant role of volunteers in supporting the university’s social, academic, and educational initiatives, noting that the organization currently unites over 2,000 members and has contributed to the professional development of many young people, 27 of whom have become full-time BSU employees since 2019. Certificates of appreciation were presented to volunteers for their outstanding dedication and contributions.

For more information click links here

MASTERCLASS BY AYHAN TUGLU

Ayhan Tuğlu, Director of the Presidential Library of Turkey, delivered a masterclass at the Faculty of Information and Document Management of Baku State University on the role of libraries in preserving cultural heritage. He discussed the historical development of Turkish libraries from the Seljuk and Ottoman waqf traditions to the modern Republican era, emphasizing their transformation into dynamic social and cultural centers. The presentation also introduced the structure, collections, and international initiatives of the Presidential Library, highlighting its contribution to safeguarding Turkic heritage and promoting cultural diplomacy. The session concluded with discussions on expanding cooperation between the two institutions, including joint academic events and student internship opportunities.

For more information click links here

AYNA HOLDS INFO SESSION ON SUSTAINABLE URBAN MOBILITY AT BSU

An information session on “Sustainable Urban Mobility: Ongoing and Planned Initiatives in Baku” was held at Baku State University and organized by the Azerbaijan Urban Transport Agency (AYNA). During the event, speakers discussed the importance of sustainable city concepts and presented ongoing micromobility initiatives in Baku, including the development of dedicated lanes currently covering 31 streets, with plans to expand the network to 100 km. The session featured an interactive discussion with students on future improvements in urban mobility and concluded with a bicycle tour on campus to promote practical engagement with sustainable transportation practices.

For more information click links here

WORLD SOLIDARITY DAY OF AZERBAIJANIS CELEBRATED AT BSU STUDENT HOUSE

World Solidarity Day of Azerbaijanis was celebrated on 31 December at the Student House of Baku State University, jointly organized by the BSU Student Trade Union Committee and the Student House administration. During the event, the Vice-Rector congratulated students on the occasion and extended his best wishes for academic success. A tea gathering was arranged for residents of the Student House, followed by musical performances presented by both local and international students, fostering a spirit of unity, cultural exchange, and solidarity.

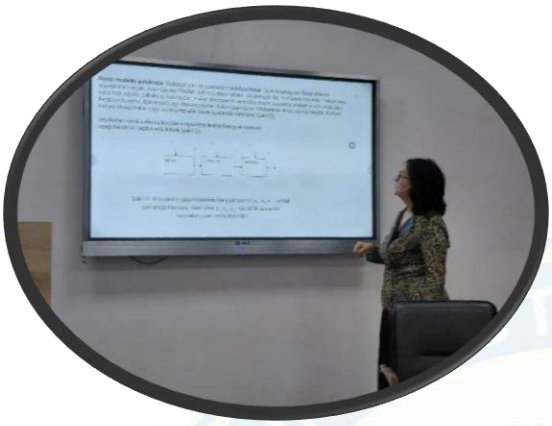
For more information click links here

THE BSU TEAM WINS INTELLECTUAL GAME COMPETITION

Within the framework of the youth camp "Traces of History: Our Memory is Our Future III," the team of the "BSU Volunteers" from Baku State University won first place in the "What? Where? When?" intellectual game. The competition included questions related to the history, literature, geography, prominent figures, and folklore of Western Azerbaijan. Among 14 participating teams, BSU's "Evrika" team secured 1st place, followed by "Sərdar Sarayı" and "Çuxursəd." The winners were awarded diplomas, medals, trophies, and gifts. The youth camp was jointly organized by the Ministry of Youth and Sports of the Republic of Azerbaijan, the Western Azerbaijan Community, ASAN Volunteers Organization, and the Regional Development Public Union.

SCIENTIFIC SEMINAR ON MODELING THE HAKARI RIVER AT BSU

A scientific seminar on "Modeling the Hakari River Using MATLAB" was held at the Faculty of Geography of Baku State University. During the event, speakers emphasized the importance of scientific seminars for improving teaching and research, particularly in studying water resources in the liberated territories. The presentation focused on mathematical modeling of the Hakari River and its tributaries using MATLAB, addressing issues such as average annual flow, flood events, and efficient water resource management. The seminar concluded with an interactive discussion on the research findings.



For more information click links here

ECODAY-2025 COMPETITION AT BSU DEDICATED TO WORLD ENVIRONMENT DAY

A competition-exhibition was organized at the university on the occasion of World Environment Day to raise environmental awareness among students and promote sustainable practices. The event focused on encouraging recycling, responsible use of resources, and strengthening environmental responsibility among young people.

Students presented various creative projects prepared mainly from recyclable materials, demonstrating innovative approaches to waste reduction and environmental protection.

Such initiatives help develop ecological

thinking and encourage students to participate more actively in sustainability-related activities within the university

environment. The event also reflected the principles of the United Nations Sustainable Development Goals by supporting environmentally responsible behavior and sustainable development practices that contribute to more sustainable communities and living environments.

For more information click links here

INTERNATIONAL STUDENTS OF BSU VISIT GANJA

International students of Baku State University visited the city of Ganja as part of a cultural and educational trip aimed at strengthening intercultural dialogue and encouraging interaction among students from different countries. During the visit, participants explored various historical and cultural sites, gaining a broader understanding of the city's rich heritage and cultural environment. Such initiatives contribute to cultural exchange, promote mutual understanding among students from diverse backgrounds, and support the development of inclusive and socially connected communities within the university environment.

A summer student camp was organized at the Quba Training, Education, and Recreation Center of Baku State University to promote student engagement, foster collaboration, and strengthen connections among student organizations.

During the camp, participants took part in recreational activities, team-building exercises, and social games, providing opportunities for communication and

cooperation. At the conclusion of the camp, students who demonstrated active involvement in university life were recognized and commended for their contributions, highlighting the importance of student initiatives and engagement.

For more information click links here

SUMMER STUDENT CAMP HELD AT BSU GUBA TRAINING AND RECREATION CENTER

A summer student camp was held at the Quba Training, Education, and Recreation Center of Baku State University. The camp aimed to enhance students' social engagement, promote collaboration, and strengthen cooperation among the university's student organizations.

Participants took part in recreational activities, team-building games, and social exercises, providing opportunities for communication and interaction. At the conclusion of the camp, students recognized for their active involvement in university life were awarded, and the contributions of student organizations were commended.

For more information click links here

BSU STUDENTS PLAY AESOP WINS THE PILLE-3 STUDENT THEATRE FESTIVAL

The play **"Aesop"**, staged by students of the Culture and Creativity Center at Baku State University, won the **"Best Performance"** award at the "Pillə-3" National Student Theatre Festival, held among universities and organized jointly by the Ministry of Science and Education, the Ministry of Culture, and the Azerbaijan State University of Culture and Arts.

The festival featured 19 performances from various higher education institutions and concluded with a closing and award ceremony. The play, directed by Vahid Orucoglu, drew on the life and fables of the ancient Greek fabulist Aesop, whose stories use animal characters to convey philosophical lessons and critique human nature and society. The performance highlighted the enduring relevance of Aesop's fables while showcasing the creativity and talent of BSU students.

For more information click links here

ANKARA SOCIAL SCIENCES UNIVERSITY OF TURKEY HOLDS A THREE-DAY SEMINAR AT BSU ON THE IMPLEMENTATION OF THE SOCIOVILLAGE SYSTEM

Representatives from Ankara Social Sciences University conducted a three-day seminar at Baku State University on implementing the Sociovillage system and ecosystem within universities.

During the seminar, faculty highlighted the ongoing collaboration between the two universities, including a 2023 Memorandum of Understanding and participation in the Erasmus+ K171 exchange program, which facilitates joint social science research projects. Presentations covered the structure and application of the Sociovillage system, emphasizing the creation of innovation ecosystems, technology parks, and support for social innovation activities and student-driven projects. The seminar also reinforced knowledge sharing and the development of human capital in the field of innovation.

For more information click links here

EXHIBITION AT BSU: “THE IDENTITY OF UZBEK WOMEN”

A delegation from Mirzo Ulugbek National University of Uzbekistan visited the Faculty of Social Sciences and Psychology at Baku State University to strengthen academic cooperation and exchange experience in the field of psychology.
During the visit, discussions were held on expanding collaboration in education and research. The delegation also organized an exhibition dedicated to the role of women in society, highlighting their contributions to science, culture, and sports. The event promoted intercultural dialogue and academic exchange between the universities.

For more information click links here

CONCLUSİON

The activities carried out throughout the reporting period demonstrate the university's commitment to contributing to sustainable and socially responsible community development. Various academic seminars, educational meetings, cultural events, student initiatives, and international cooperation activities provided students with opportunities to expand their knowledge, develop practical skills, and actively participate in social and cultural life.

Through scientific discussions, research presentations, environmental initiatives, cultural programs, and awareness-raising events, the university created platforms that encouraged dialogue on urban development, environmental responsibility, cultural heritage, and social engagement. These initiatives helped students better understand the relationship between education, society, and the urban environment, while also promoting responsible attitudes toward community development and sustainability.

Student engagement played a significant role in many of these activities. Volunteer initiatives, educational visits, student camps, intellectual competitions, exhibitions, and creative performances supported students' personal and social development, strengthened communication among diverse groups, and encouraged active participation in community life.

In addition, cooperation with national and international institutions, as well as the organization of academic exchanges, seminars, and collaborative projects, further enhanced knowledge sharing and institutional development. Such partnerships contributed to strengthening academic dialogue, cultural interaction, and innovative approaches within the university environment.

Overall, the initiatives highlighted in this report illustrate the university's ongoing efforts to promote socially inclusive, culturally vibrant, and sustainable communities through education, research, and student engagement. These activities contribute to building a more aware, active, and responsible generation capable of supporting sustainable urban and social development in the future.

SDG FOCUSED MEMBERSHIPS

SDG FOCUSED RANKING RESULTS

Rated for Excellence

Baku State University

Through rigorous and independent data collection and analysis of performance metrics as set out in the QS Stars™ methodology Baku State University has been awarded 5 Stars.

TEACHING	FACILITIES
EMPLOYABILITY	GOOD GOVERNANCE
ENVIRONMENTAL IMPACT	ACADEMIC DEVELOPMENT
GLOBAL ENGAGEMENT	CHEMISTRY
DIVERSITY, EQUITY & INCLUSION	

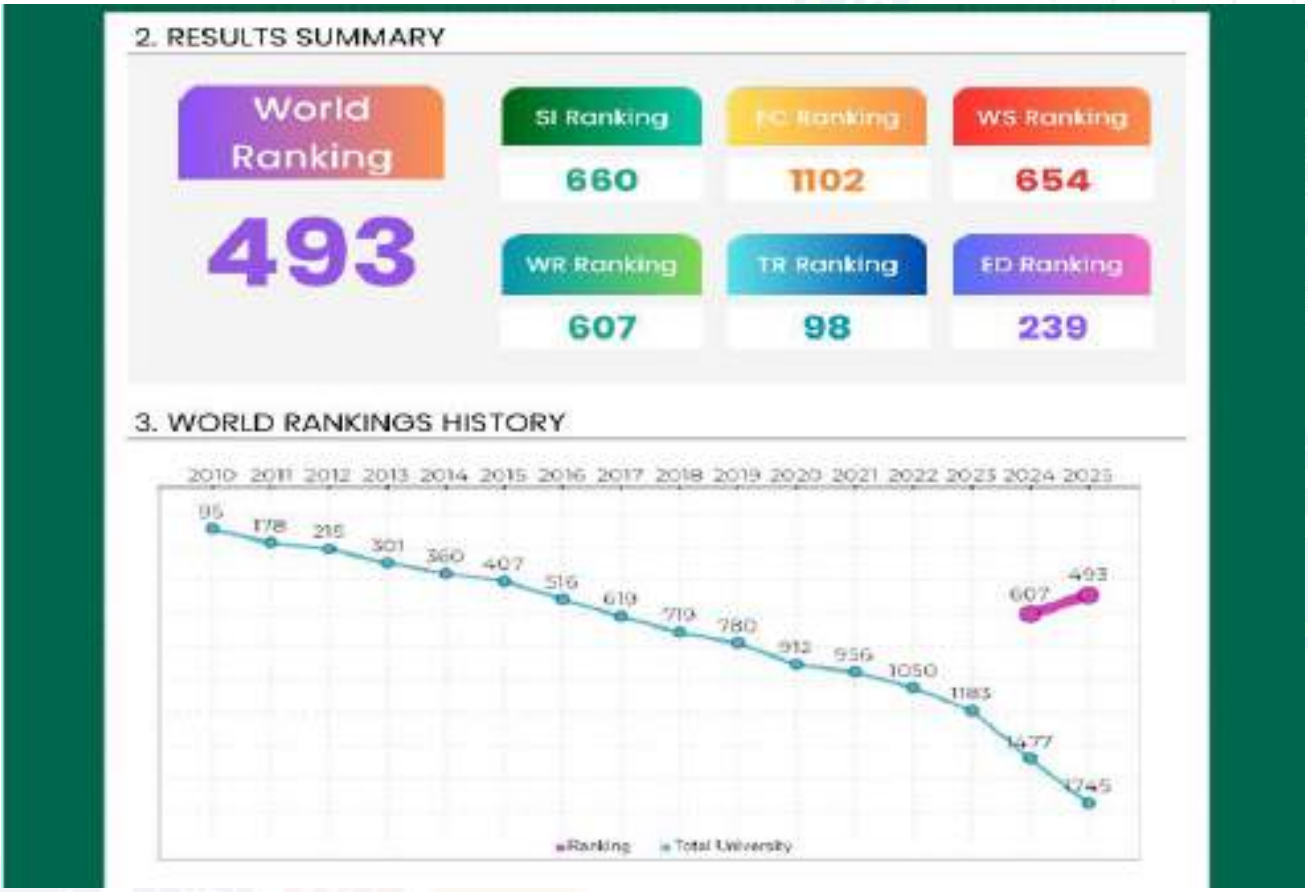
QS Stars

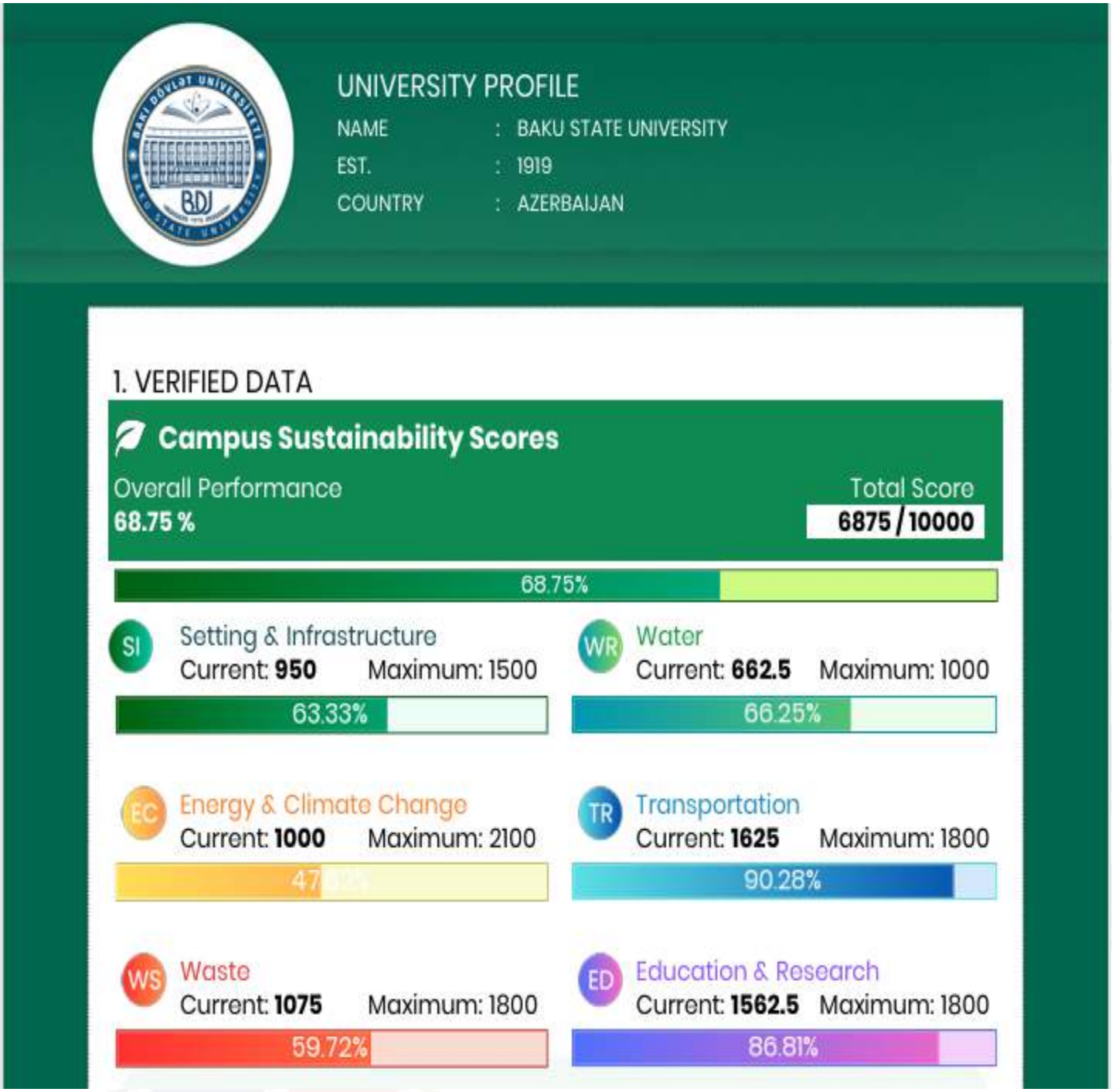
The QS Stars™ rating system evaluates universities across a wide spectrum of important performance indicators as set against pre-established international standards. By assessing a broader scope of criteria than any world ranking exercise, QS Stars™ illuminates the unique strengths and diversity of the rated institution with both precision and clarity.

Leigh Kamolins, Head of Evaluation

UNIVERSITAS INDONESIA
UI GreenMetric World University Rankings 2025
CERTIFICATE
This certificate is awarded to
Baku State University
as The 493rd World's Most Sustainable University
in 2025 UI GreenMetric World University Rankings
5 December 2025
Dr. Vishnu Juwono, S.E., MIA
Chairperson of UI GreenMetric

4. RANKING IN AZERBAIJAN




UNIVERSITY PROFILE
NAME : BAKU STATE UNIVERSITY
EST. : 1919
COUNTRY : AZERBAIJAN
1. VERIFIED DATA
Campus Sustainability Scores
Overall Performance
68.75 %
Total Score
6875 / 10000
68.75%
SI
Setting & Infrastructure
Current: 950 Maximum: 1500
63.33%
WR
Water
Current: 662.5 Maximum: 1000
66.25%
EC
Energy & Climate Change
Current: 1000 Maximum: 2100
TR
Transportation
Current: 1625 Maximum: 1800
90.28%
WS
Waste
Current: 1075 Maximum: 1800
59.72%
ED
Education & Research
Current: 1562.5 Maximum: 1800
86.81%

11 SUSTAINABLE CITIES AND COMMUNITIES

THE IMPACT RANKINGS

BSU
http://sdg.bsu.edu.az/

RANKED
2025
QS WORLD UNIVERSITY RANKINGS
SUSTAINABILITY RANKINGS 2025
Baku State University
941-950
in overall performance
December 2024
Date
Ben Sowter
Senior Vice-President
QS Quacquarelli Symonds

THE IMPACT RANKINGS
OVERALL RANK
401–600
out of 2318
institutions

OVERALL SCORE

71.8 out of 100

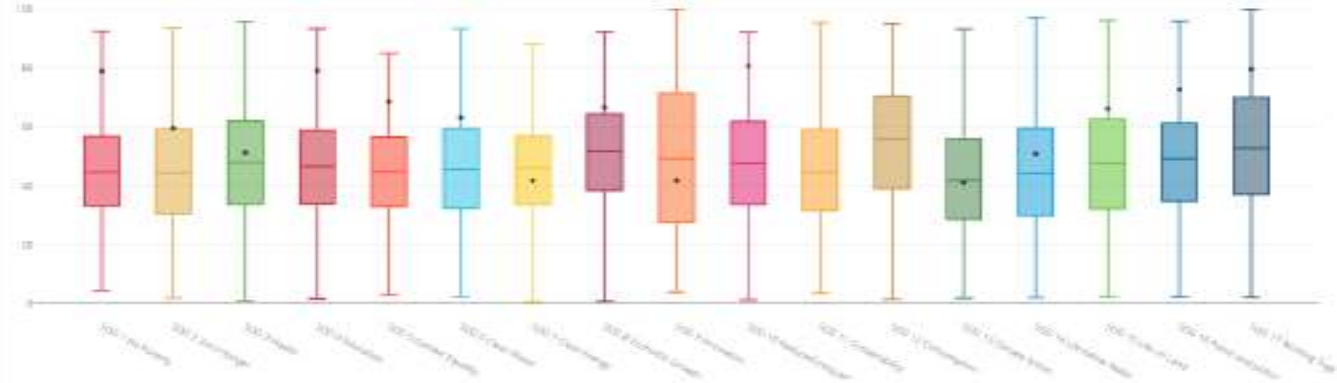
OVERALL RANK

401–600 out of 2318 institutions

SDG PARTICIPATED

15 out of 17 Sustainable Development Goals

SDG SCORES



SDG FOCUSED RESEARCH

İntroduction

Building sustainable, inclusive, and resilient cities is a key objective of global development efforts. In this context, universities play an important role in supporting urban sustainability through research, education, and community engagement. At Baku State University (BSU), academic and institutional initiatives aligned with Sustainable Development Goal 11 (SDG 11) focus on promoting sustainable urban development, improving environmental awareness, strengthening cultural heritage preservation, and encouraging responsible social participation.

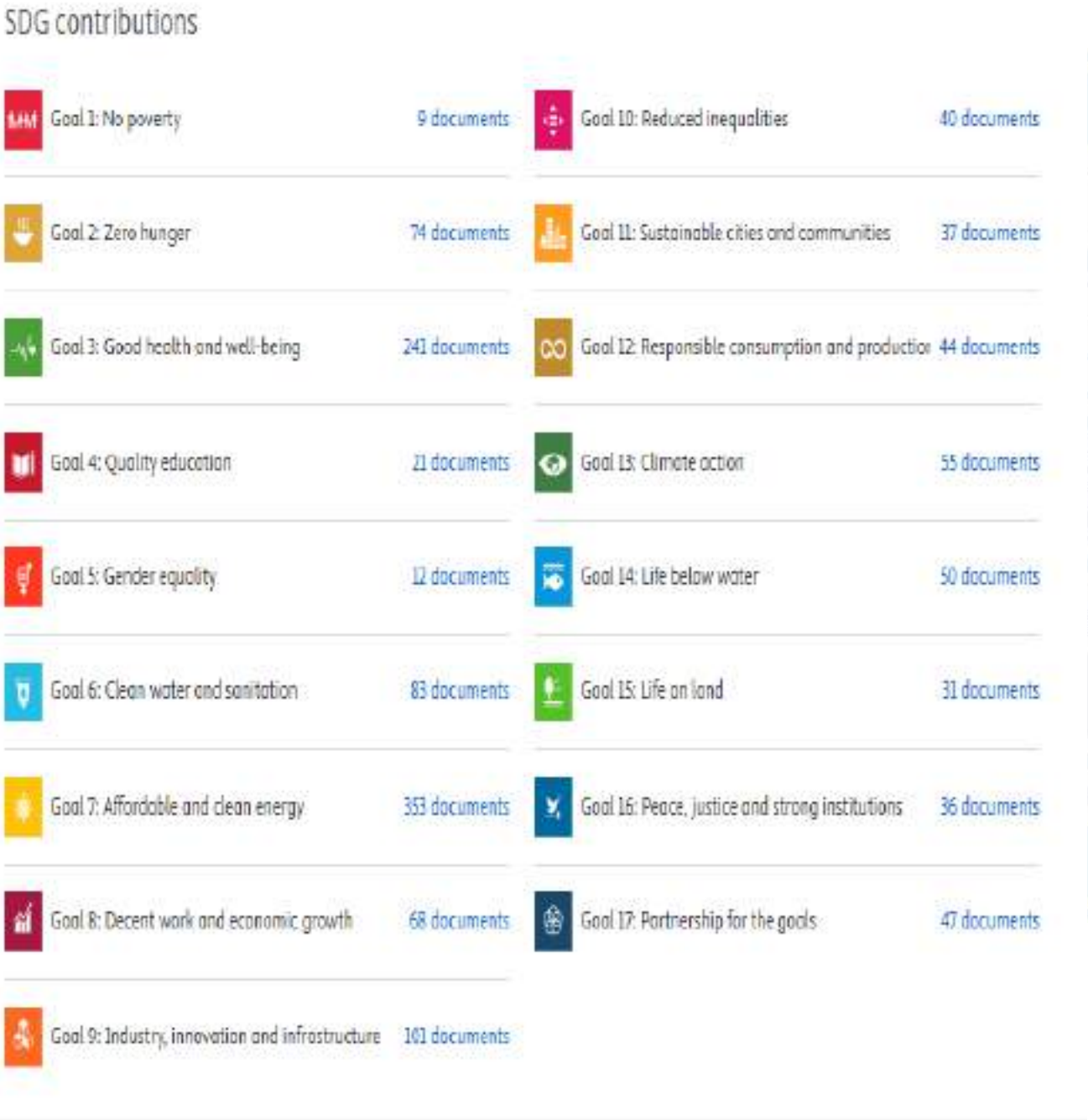
As Azerbaijan continues to experience urban growth and socio-economic transformation, issues such as sustainable urban planning, environmental protection, mobility, and the preservation of cultural heritage have become increasingly important. BSU contributes to addressing these challenges by generating scientific knowledge, organizing educational events, and creating platforms for dialogue on sustainable urban development and environmental responsibility.

Researchers and students at BSU explore a range of topics related to sustainable cities and communities, including urbanization processes, environmental management, climate change impacts, mobility systems, and the protection of historical and cultural heritage. Academic seminars, conferences, and research projects provide opportunities to examine urban challenges from interdisciplinary perspectives and to develop practical solutions that support sustainable urban environments.

In addition to academic research, the university promotes student engagement through educational programs, awareness campaigns, and community-oriented activities that encourage responsible attitudes toward the urban environment. These initiatives strengthen students' understanding of sustainability principles and support the development of more livable and inclusive communities.

Through its academic research, institutional cooperation, and student-centered initiatives, BSU continues to contribute to sustainable urban development and the creation of resilient communities. These efforts reinforce the university's role as an important platform for knowledge generation and dialogue on sustainability in Azerbaijan and the wider region.

For all SDGs related articles please visit: https://www.scopus.com/pages/organization/60071969#tab=sdgs



1. Authors: Yetirmishli G.J., Kazimova S.E., Samedzade A.V.
Focus: Geodynamic features and seismic risks in the Bulla-Deniz gas field.
Methods: Seismic tomography, GPS monitoring, drilling data.
Findings: Identified deep structural anomalies, active faulting, and complex tectonics impacting hydrocarbon extraction.
Recommendation: Use results for safer, more efficient gas resource management.
Full text

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2. Authors: Aliyev A.A., Nurubeyli T.K., Haziyev Y.H., Najafov E., Mammadov F.I.
Focus: Reducing noise pollution from transportation systems.
Methods: Acoustic modeling, case studies (Germany, Japan, U.S.).
Findings: Low-noise surfaces, sound barriers, and electric vehicles reduce noise by 15–25 dB.
Recommendation: Integrate multi-method approaches for cost-effective urban noise reduction.
Full text

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3. Authors: Mammadzada V.T., Aliyeva M.M., Rzayeva A.L., Nasirova A.I., Mammadova R.N.
Focus: Biological activity and self-healing capacity of urban soils in Lankaran.
Methods: Enzymatic activity tests, microbial population analysis.
Findings: Decline in microbial counts with depth; dominance of non-spore-forming bacteria and actinomycetes; moderate humus decrease.
Recommendation: Monitor soil microbiota for sustainable land management.
Full text

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4. Authors: Aliyev E.R., Rzayeva I.R., Aliyeva A.A., Aghayev F.
Focus: Identifying anchor objects in tourism clusters using fuzzy inference.
Methods: Voronoi diagrams, fuzzy logic (alternative-based & MATLAB-based).
Findings: Consistent identification of central, attractive anchor sites.
Recommendation: Apply fuzzy logic tools to support regional tourism planning.
Full text

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5. Authors: Amiraslanova M.S., Babazade R.A.H., Musabayli K.K.M.
Focus: Vegetation mapping using satellite/UAV imagery with AI.
Methods: Multispectral imagery, ML and DL algorithms.
Findings: Accurate automatic plant species classification across scales.
Recommendation: Apply in urban planning, agriculture, biodiversity, and climate monitoring.
Full text

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6. Author: Hashimova L.F.
Focus: Cultural heritage protection and human rights.
Methods: Analysis of legal literature, international law, and court practices.
Findings: Heritage damage = violation of cultural rights; stronger role of human rights in protection.
Recommendation: Strengthen international legal instruments for heritage safeguarding.
Full text

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7. Author: Dostiyev T.M.
Focus: Development of medieval Muslim cities in Azerbaijan.
Methods: Historical and archaeological analysis.
Findings: Growth during Islamic/Seljuk periods; uneven Mongol impact; stagnation by 16–17th centuries.
Recommendation: Use insights to deepen understanding of Azerbaijan's urban

cultural history.

Full text

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8. Authors: Artunov N.B., Pashayev N.A., Gasimova E.
Focus: Urban growth in Shaki City (2016–2023).
Methods: Satellite imagery, machine learning.
Findings: Expansion of settlements, slight forest cover decrease.
Recommendation: Apply remote sensing and ML for monitoring urban change.

Full text

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9. Author: Nasib K.
Focus: Role of space technologies in disaster management.
Methods: Remote sensing, satellite data analysis.
Findings: Satellites improve prediction, coordination, recovery.
Recommendation: Expand space-based monitoring for resilient disaster response.

Full text

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10. Authors: Badalova A.N., Ismatova H.R., Jafarova N.R., Guliyeva S.H.
Focus: GIS & satellite use for natural/man-made risk monitoring.
Methods: Multi-temporal imagery, DEM analysis.
Findings: Identified high-risk flood, landslide, and desertification zones.
Recommendation: Apply GIS for early warning and risk prevention.

Full text

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11. Authors: Gadirova E.M., Abdullayev V.H.
Focus: Sorption properties of rutile-phase TiO_2 nanoparticles for water purification.
Methods: Sol-gel synthesis, XRD, Varian Cary 50, adsorption modeling.
Findings: Weak phenol adsorption despite photocatalytic potential.

Recommendation: Improve TiO_2 modification for Smart City environmental use.

Full text

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12. Authors: Huseynli A.M., Bayramov G.I.
Focus: Industrial wastewater ecotoxicants from petroleum processing.
Methods: Spectral and analytical methods.
Findings: Harmful pollutants present even within discharge limits.
Recommendation: Strengthen monitoring and treatment for wastewater safety.

Full text

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13. Author: Piriyev R.H.
Focus: Ultra-low frequency (ULF) signals in earthquake prediction.
Methods: Comparative analysis of past and recent seismic data.
Findings: ULF signals promising for ±100 km epicenter forecasting.
Recommendation: Expand ULF monitoring networks for seismic prediction.

Full text

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14. Authors: Mammadova S.V., Rostamnia S.
Focus: Air pollution sources in Azerbaijani cities and nanotech solutions.
Methods: Ecological data, nanomaterials (adsorbents, catalysts).
Findings: Industrial and transport emissions dominate pollution; nanotech effective for control.
Recommendation: Promote green nanotechnology for urban air quality improvement.

Full text

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15. Authors: Abdullayev V.H., Ragimova N.A., Abuzarova V.A., Hajiyeva V.M.
Focus: Cyber-Physical Systems (CPS) integration with IoT, AI, and Digital Twins.
Methods: Theoretical analysis, case applications.

Findings: CPS–IoT integration supports high-quality development.
Recommendation: Advance CPS adoption for smart infrastructure and industry.
Full text

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16. Authors: Hajiyeva S.R., Aliyeva T., Yusifova M.M.
Focus: Severe pollution of Boyuk Shor Lake, Absheron.
Methods: Laboratory analysis of water, sediments, and soils.
Findings: Extremely high hydrocarbon, heavy metal, and particle levels.
Recommendation: Urgent restoration and ecological rehabilitation needed.
Full text

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17. Authors: Abdullin T.M., Sabirzyanov R.G., Gilmanshin I.R., Kashapov N.F., Gilmanshina S.I.
Focus: Waste disposal challenges and plasma gasification.
Methods: Comparative analysis of destruction vs. thermal destruction.
Findings: Traditional MSW methods ineffective; plasma gasification more promising.
Recommendation: Invest in plasma-based waste management systems.
Full text

UI GreenMetric World University Rankings

3. WORLD RANKINGS HISTORY

Figure 3.1 World Rankings History Diagram

4. RANKING IN AZERBAIJAN

11 SUSTAINABLE CITIES AND COMMUNITIES

UNIVERSITY PROFILE

NAME : BAKU STATE UNIVERSITY
EST. : 1919
COUNTRY : AZERBAIJAN

1. VERIFIED DATA

Campus Sustainability Scores

Overall Performance
63.35 %

Total Score
6335 / 10000

63.35%

SI Setting & Infrastructure
Current: **810** Maximum: 1500
54.00%

WR Water
Current: **650** Maximum: 1000
65.00%

EC Energy & Climate Change
Current: **865** Maximum: 2100

TR Transportation
Current: **1560** Maximum: 1800
86.67%

WS Waste
Current: **1050** Maximum: 1800
58.33%

ED Education & Research
Current: **1400** Maximum: 1800
77.78%

Baku State University

2025 REPORT ON

12 RESPONSIBLE CONSUMOTION AND PRODUCTION

INTRODUCTION

The report highlights Baku State University's (BSU) comprehensive efforts to promote responsible consumption and production (SDG 12) and integrate sustainability into its operations.

It outlines key policies and practices, including a Sustainable Procurement Policy. BSU actively encourages recycling, reduction of single-use plastics, and minimizing paper consumption.

The university collaborates with local partners, engages in education and training, and collects data to support informed waste management decisions. Through these initiatives, BSU demonstrates its commitment to sustainable practices, ethical food sourcing, and environmental protection within its campus community.

BSU recognizes the importance of sustainable development. This Sustainable Procurement Policy outlines our commitment to integrating Environmental, Social, and Governance factors into our investment decisions and aligning our investments with the United Nations SDGs.

According to the sustainability investment policy of BSU the goal is to generate long-term financial returns while contributing to a more sustainable and equitable future. Management to waste disposal can help planners study objectively and make rational decisions as to the best alternative strategic options of managing, recovering, and utilizing the vast quantity of solid waste is a very important investment.

In BSU, waste disposal is effectively managed and typically includes the following categories: municipal waste, hazardous waste, radioactive waste, biological waste and sharps. Each waste category must be handled and managed according to established procedures and work practices. Liquids, chemical waste, including stock containers with unused product, do not beeing placed in the municipal waste. All sharps are in an appropriate, puncture-resistant container to prevent injuries.

The main policy addressing the issues of Responsible Consumption and Production is reflected in the BSU Sustainable Procurement Policy (SPP).

Since BSU considers the SDGs as criteria for selecting procurement, the SPP is based on the idea of creating a procurement system that considers and minimizes negative impacts on society and the environment. It is within this policy that, for example, the use of plastic bottles is prohibited in canteens operating in different buildings. Separate trash cans for plastic and paper waste are installed in the university buildings and courtyards.

Disposal of all university waste is subject to the Sustainable Procurement Policy (SPP) and is handled through outsourcing. The legal basis for this policy is not only the legislation of the Republic of Azerbaijan, but also international standards, including those related to this topic. All concluded waste disposal agreements comply with sustainable development goals and standards.

The University's Sustainable Procurement Policy (SPP) prohibits the use of all plastic bottles in university dining facilities. Lessons in the courses “Ecology”, “Organic Chemistry”, “Sustainable Development”, etc. provide detailed information about the role of plastic in earth pollution; Students are encouraged to minimize their consumption of plastic containers not only on campus but also off campus.

The British Embassy organized a campaign “Plastic-Free July” to reduce the use of single use plastic bags together with the IDEA Public Union. The British Embassy in Baku and the IDEA Public Union encourage everyone to give up single use plastic items, including plastic bags, and to use environmentally friendly and sustainable alternatives, for the benefit of present and future generations. Students of the Faculty of Ecology and Soil Science of BSU also took part in the Challenge.

In many waste management systems, there are options of landfill disposal and recycling. BSU mostly tries to minimize the amount of waste sent to landfills and maximize recycling. The university promotes recycling and reduce waste generation. We are using different forms of recycling bins throughout the campus with labels on them. Also, our goal is to encourage the use of revisable containers.

Goals of sustainability investment policy can be achieved through various strategies, such as promoting sustainable consumption patterns, encouraging product

design for longevity and recyclability, and implementing effective waste prevention measures.

An International Scientific Conference on the topic Application of Modern Equipment and Methods in Improving Food and Water Security is being held at BSU

Within the framework of the international scientific conference hosted by Baku State University, the role of public-private partnerships in food and water security, alongside the implementation of innovative technologies, was deliberated. During the sessions, participants examined advanced analytical methodologies, including Atomic Absorption Spectroscopy (AAS) and Inductively Coupled Plasma Mass

Spectrometry (ICP-MS), while gaining insights into novel approaches in ecology and waste management. The event facilitated the strengthening of knowledge and expertise exchange between the research and teaching laboratories of Baku State University and industrial partners.

For more information please click.

BSU staff participates in the event dedicated to the 21st anniversary of the creation of Hirkan National Park

Professors and specialists from the Faculty of Biology at Baku State University participated in a roundtable held in Lankaran to commemorate the 21st anniversary of the establishment of Hirkan National Park. The discussions focused on the conservation of the

national park's endemic flora and fauna, the advancement of ecotourism, and the expansion of scientific research frameworks. Furthermore, the strategic importance of the Hirkan Forests' inclusion in the UNESCO World Heritage List was emphasized as a key milestone for biodiversity preservation.

For more information please click.

BSU has been awarded 5 stars in the "QS Stars" audit evaluationn

Baku State University (BSU) has been awarded a "5 Stars" (Excellent) rating in the international audit conducted by QS Quacquarelli Symonds. The university received high evaluations across key performance indicators, including teaching, academic development, infrastructure, graduate employability, environmental impact,

inclusiveness, and governance. This achievement validates BSU's operational alignment with international standards and its commitment to the principles of sustainable development and innovative management, significantly enhancing the institution's global academic reputation.

For more information please click.

A professor from Akdeniz University delivered a lecture at BSU on the preservation of quality in fruits and vegetables

A seminar entitled "New Approaches to Preserving the Quality of Fresh Fruits and Vegetables" was convened at Baku State University. Professor Mustafa Erkan delivered a comprehensive presentation on

the long-term preservation of product freshness, optimization of storage conditions, bioengineering solutions, and ecologically sustainable methods for combating phytopathology. The session facilitated high-level scientific deliberations, focusing on the integration of advanced technologies, quality assurance

protocols, and the promotion of environmental sustainability within the agricultural supply chain.

For more information please click.

Development history and contemporary issues of Agricultural Sciences in Azerbaijan discussed at BSU

The seminar held at the Faculty of Ecology and Soil Science of BSU was dedicated to the "Historical Development and Contemporary Issues of Agricultural Sciences in Azerbaijan." Akif Valiyev presented the history of agricultural sciences in the country, modern research directions, and the efficient use of soil and agricultural resources. Furthermore, the

scientific and practical aspects of projects within the "Great Return" program in the Karabakh and East Zangezur economic regions were highlighted. During the seminar, student inquiries were addressed, and development prospects for future agricultural and ecological projects were discussed.

For more information please click.

BSU students visit "Clean city" ASC

Within the framework of "Sustainable Development Goals Week," students from Baku State University (BSU) visited "Tamiz Shahar" JSC to gain insights into waste management, recycling processes, and environmental awareness. The participants observed the operations of the Baku Solid Waste Incineration Plant at the Balakhany Industrial Park and obtained technical information regarding plastic molding, oil production, and waste recycling technologies. The visit demonstrated the practical application of environmental protection and sustainable production principles.

For more information please click.

The project IRRIGO - Sustainable Agricultural Ecosystem which will be established on the BBSU campus, will be featured in the finals of the TEKNOFEST 2025 SHC

The project "Irrigo – Sustainable Agricultural Ecosystem," presented by the "BSU TETYM" team of Baku State University, was highly commended at the TEKNOFEST TRNC festival and advanced to the final stage. The project facilitates the treatment, recycling, and preparation of wastewater for irrigation purposes, offering innovative solutions based on IoT (Internet of Things) and "Smart Village" concepts. The prototype, website, and mobile application are being developed by BSU students.

For more information please click.

The first workshop of the project titled "Application of Artificial Intelligence in Precision Agriculture" organized by the Agricultural Innovation Center at BSU has been held

The inaugural seminar within the project "Application of Artificial Intelligence in Precision Agriculture" was held at Baku State University. The project aims to ensure the intelligent management of soil, water, and natural resources through the integration of Artificial Intelligence (AI), while promoting innovative technologies and empowering youth potential. The event was attended by representatives from universities, agro-parks, and the private sector. Key discussion topics included current technological innovations, "Smart Village" and IoT systems, the practical application of scientific research, and the economic integration of AI within the agricultural sector.

For more information please click.

A training titled Student Contribution to SDG was organized at BSU

A training session titled "Students' Contribution to Sustainable Development Goals" was conducted at Baku State University. The program aimed to enhance awareness of the SDGs among students, encourage their active participation, and support the integration of these goals within the university framework. During the event, initiatives such as the establishment of student clubs, the organization of educational events, and the implementation of social projects were discussed.

For more information please click.

A scientific seminar on the topic of Synthetic Biology was held at BSU

A scientific seminar on the subject of "Synthetic Biology" was convened at the Faculty of Biology of Baku State University. During the presentation, student Nargiz Garayeva provided insights into the fundamental principles, applications, and future perspectives of synthetic biology. It was emphasized that this field enables the fulfillment of consumer demand while simultaneously safeguarding human health through innovative biological engineering. The seminar concluded with a session of interactive academic discussions.

For more information please click.

An International Earth Day has been celebrated at BSU

A scientific seminar dedicated to "International Earth Day" was organized by the Faculties of Geology and Geography at Baku State University. The event aimed to emphasize the importance of ecological stability, promote the efficient utilization of natural resources, and deliberate on contemporary challenges within the fields of geology and geography. The seminar featured academic presentations on earthquake forecasting, geomatics, environmental monitoring, and sustainable regional development.

For more information please click.

Information session on the international startup acceleration program Green and Digital Silk Road at BSU

An information session regarding the "Green and Digital Silk Road" international startup accelerator program was held at Baku State University. The session provided participants with comprehensive details on the program's objectives, including the support of startups in green and digital technology sectors, the enhancement of regional cooperation, and strategies for investment attraction. The event also featured a briefing on registration procedures, opportunities for collaboration with international mentors, and a specialized Q&A session.

For more information please click.

BSU students learn ways to protect the environment

An event titled "Protect the Environment! Care for It!" was organized at Baku State University. The discussions focused on human-nature relations through historical and geological perspectives, the efficient utilization of underground and surface resources, the preservation of ecological balance, and the significance of civic engagement. The event centered on the environmental education of youth and concluded with the screening of an instructional video.

For more information please click.

An event titled “Green Economy” held at BSU

A dedicated event on the theme of the "Green Economy" was convened at Baku State University. The discussions encompassed the strategic role of the green economy in land and resource management, ecologically sustainable agricultural paradigms, opportunities for international cooperation, and environmental awareness initiatives for youth. The proceedings concluded with the presentation of formal proposals for the institutional implementation of green economy principles at the university level.

For more information please click.

Opening of the Materials science research laboratory held at BSU

The Materials Science Research Laboratory has been established within the Center of Excellence at Baku State University. Equipped with state-of-the-art instrumentation, the laboratory enables

advanced scientific research in the fields of chemistry, materials science, geology, nanotechnology, construction materials, and the analysis of industrial waste. During the inauguration, the importance of the facility was emphasized regarding the involvement of youth in scientific activities, the strengthening of university-industry collaboration, and the commercialization of research outcomes.

For more information please click.

"PASHA Holding" conducts a training session for BSU students

A training session titled "Government Relations and Corporate Social Responsibility" was held at Baku State University. During the session, the core essence of Corporate Social Responsibility (CSR) was explained, covering its economic, environmental, ethical, and philanthropic models, as well as the role of CSR in contributing to sustainable development. The session also facilitated discussions on collaboration with

government agencies, international best practices, and initiatives aimed at enhancing societal welfare.

For more information please click.

EcoDay-2025 competition at BSU dedicated to World Environment Day

The "Bioteam" club of the Faculty of Biology at Baku State University organized the "EcoDay-2025" contest and exhibition dedicated to World Environment Day. The event featured projects constructed from recycled materials, emphasizing the importance of increasing ecological responsibility among students and promoting SDG 12: Responsible Consumption and Production. In addition to fostering youth creativity, "EcoDay-2025" contributed to the formation of ecological thinking and sustainable behavioral patterns.

For more information please click

Scientific seminar at BSU: Carbon credit market and potential opportunities

The Nano-Research Scientific Laboratory of Baku State University (BSU) hosted a scientific seminar entitled "Carbon Credit Market and

Potential Opportunities." The seminar addressed critical themes such as climate change, the reduction of carbon emissions, the fundamental mechanics of carbon credit systems, and global best practices. Particular emphasis was placed on the emerging opportunities for Azerbaijan following the COP29 summit. The event highlighted the strategic importance of strengthening collaboration between scientific research institutes, government bodies, and the private sector.

For more information please click.

Scientific seminar at BSU: “Fifth industrial revolution: Current Situation and Future Prospects”

The Nano-Research Scientific Laboratory of Baku State University (BSU) hosted a scientific seminar titled "The Fifth Industrial Revolution: Current State and Future Perspectives." The seminar addressed the human-centric approaches of Industry 5.0, applications of ethical artificial intelligence, green technologies, and the principles of social justice. Additionally, Azerbaijan's strategic position within this global transition was discussed. The event contributed to the identification of future research priorities in the fields of technology and industry.

For more information please click.

BSU student wins the “Azad Mirzajanzade Development Program” of RİİB

Saida Rahimli, a fourth-year student at the Faculty of Ecology and Soil Science of Baku State University (BSU), has become a winner of the "Azad Mirzajanzade Development Program" organized by the Regional Development Public Union (RİİB). Her project, titled “CMC-Vessel,” was selected as one of the 10 winning projects from over 100 applications nationwide and secured financial support. The project focuses on cleaning oil-based pollution and plastic waste in the Caspian Sea; the prototype, based on chemical methods and artificial

intelligence applications, will be developed at BSU's Student Scientific-Technical Creativity Center. Since its implementation in 2023, the program has supported a series of successful initiatives in social, environmental, educational, and innovation fields.
For more information please click.

Opening ceremony of the UN Local Conference of Youth on Climate Change – “LCOY Azerbaijan 2025” held at BSU

The opening ceremony of the UN Local Conference of Youth on Climate Change - "LCOY Azerbaijan 2025" - was held at Baku State University (BSU). Organized by the "EkoSfera" Social-Ecological Center in partnership with BSU and SEA BREEZE Resort, and with media support from CBC, the first day of the conference brought together over 150 young climate leaders, government agencies, international organizations, and leading experts.
For more information please click.

National Youth Climate Statement of Azerbaijan adopted at the UN Local Conference of Youth on Climate Change

12 RESPONSIBLE CONSUMOTION AND PRODUCTION

The second day of the UN Local Conference of Youth on Climate Change - "LCOY Azerbaijan 2025" - has taken place. Organized by the "EkoSfera" Social-Ecological Center in partnership with

BSU and SEA BREEZE Resort, and supported by CBC media, the event highlighted the active participation of youth in the global climate agenda.

For more information please click.

Research by Azerbaijani scientists on nanoparticles presented at an international conference in Pakistan

The 1st International Conference on Nanoscience and Nanotechnology (ICNN-1) was held at the International Center for Chemical and Biological Sciences of the University of Karachi, Islamic Republic of Pakistan. At the conference, a joint research study titled “Study of the Effect of Metal Nanoparticles on the Reproductive Processes of Fish” was presented. The research was conducted by Chingiz Mammadov, Associate Professor of the Department of Zoology and Physiology at the Faculty of Biology, Baku State University, in collaboration with researchers from the Institute of Biotechnology of ANAS. The presentation was awarded a certificate in recognition of its scientific contribution. The study contributed to understanding the anthropogenic impacts on aquatic ecosystems, highlighted the importance of environmental safety and sustainable management of nanomaterials, and supported the development of evidence-based policies and strategies for mitigating ecological risks.

1st INTERNATIONAL CONGRESS ON NANOSCIENCE AND NANOTECHNOLOGY
Organized by
International Center for Chemical and Biological Sciences
HEJ Research Institute of Chemistry
and
Dr. Panjwani Center for Molecular Medicine and Drug Research
It is certified that
CHINGIZ MAMEDOV

For more information please click.

BSU participates in “Sustainability Exhibition: Art and Innovation for the Planet”

Baku State University participated with two innovative projects in the "Sustainability Exhibition: Art and Innovation for the Planet" event held as part of "Baku Climate Action Week." The "Irrigo" project aimed at conserving water resources, treating wastewater for reuse in irrigation, and establishing an ecological circular system, while the "Hydroponics" project promoted the transition to sustainable agriculture and efficient resource use through the application of soiless cultivation technologies. At the exhibition, the "Irrigo" project was selected among the top six

projects and was awarded a certificate for its contribution to sustainable production and green innovation.

For more information please click.

Training for BSU students: “Modern Geotechnologies and Mineral Resource Processing”

A training session titled "Modern Geotechnologies and Processing of Mineral Raw Materials" was organized for students at Baku State University. The training covered topics such as the stages of mineral deposit processing, the application of innovative technologies, and ensuring environmental safety within production processes. The

event served to enrich students' scientific knowledge with practical experience and to foster new approaches toward sustainable resource utilization.

For more information please click.

BSU students present their startups within the project “Application of artificial intelligence in precision agriculture”

Baku State University students presented their startup within the framework of the project "Application of Artificial Intelligence in Precision Agriculture." During the event, an innovative system named "AgroScan" aimed to monitor plant health and soil conditions at an early stage using

hyperspectral analysis and artificial intelligence, delivering real-time data to farmers via a mobile application. The project contributed to increasing productivity through efficient resource utilization and the development of ecologically sustainable agriculture.

For more information please click.

Seminar on “18 October – Restoration of Independence” held at the faculty of Geography

A scientific seminar titled “Food Security Issues of the Republic of Azerbaijan” was held at the Faculty of Geography. The seminar contributed to the optimization of the balance between production and consumption, the efficient use of resources, and the strengthening of the sustainability of the food supply chain. Moreover,

the initiative played a significant academic platform role in reinforcing the structural

foundations of food security and in shaping scientifically grounded approaches to the sustainable development of the national economic system.

For more information please click.

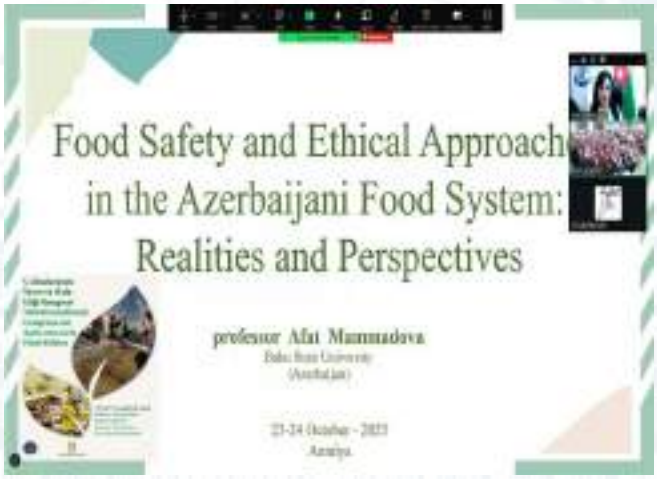
“Waste-for-Gifts” festival held at BSU

A new edition of the "Gift for Waste" festival was held at Baku State University. The purpose of the event was to promote proper waste management, sorting, and a culture of recycling, as well as to increase the active participation of youth in environmental initiatives. During the festival, participants handed over thousands of liters of plastic and glass waste, as well as used batteries, contributing to the strengthening of a responsible approach toward the environment.

For more information please click.

Dean of the faculty of Biology represents Azerbaijan’s Food Safety Sector on an international scientific platform

Afət Məmmədova, Dean of the Faculty of Biology at Baku State University, delivered a presentation at the 5th International Congress on Agriculture and Food Ethics, hosted by Akdeniz University.



The congress brought together scholars, experts, and professionals from the food sector representing various countries, providing a platform for discussing contemporary issues related to food ethics, food safety, and the development of sustainable food systems.

The event promoted the exchange of knowledge on safe and sustainable food systems, encouraged the implementation of ethical practices within the food sector, and highlighted Azerbaijan's contributions to global food safety governance.

For more information please click.

Visit of BSU students to "Herba-Flora" LLC for practical training

Fourth-year students majoring in Food Engineering at Baku State University participated in a practical training session on technological processes in the food industry at "Herba-Flora" LLC. During the training, students became closely acquainted with the setup of modern technological production lines, the operating principles of equipment, quality preservation, and the processes of product packaging and transportation. This activity served to promote sustainable production approaches and the efficient use of resources through education.

For more information please click.

Scientific seminar on the application of green chemistry principles in secondary school chemistry lessons held

A scientific seminar on “The Application of Green Chemistry Principles in Secondary School Chemistry Lessons” was held at the Faculty of Chemistry. The seminar emphasized the importance of an ecological approach in chemistry education, efficient use of resources, and safe experimental practices. The event continued with active discussions and contributed to the integration of green chemistry principles into the educational process.

For more information please click.

Student Scientific Society seminar held

The Student Scientific Society (SSS) of the Faculty of Ecology and Soil Science at Baku State University organized a scientific seminar.

During the seminar, second-year master's students from the Department of Environmental Chemistry presented the results of their research. Banu Huseynova delivered a presentation entitled "Analysis of the Physicochemical Parameters of Water Samples from the Hekeri River," while Aydan Imanova presented her study on "Determination of Cobalt, Zinc, and Iron in Local and Imported Fruits."

The presentations stimulated active discussion among participants, who raised questions and engaged in scholarly dialogue on the research topics. At the conclusion of the seminar, the presenters were awarded certificates and received books as commemorative gifts.

For more information please click.

Scientific seminar on the ecological problems caused by the mining industry

A scientific seminar on "Investigation of Ecological Problems Caused by the Mining Industry in the Dashkasan District Using GIS Technology" was held at the Faculty of Geography. The seminar contributed to understanding the environmental impacts of the mining industry and promoting sustainable resource management. It

highlighted the role of GIS technology in environmental monitoring, risk assessment, and ecological rehabilitation, supporting informed decision-making for the protection of terrestrial and aquatic ecosystems and sustainable development.

For more information please click.

Training on "Modern Approaches to Solid Waste Management" held at BSU

Baku State University (BSU) organized a training session entitled "Modern Approaches to Solid Waste Management" through the BSU Volunteers initiative. The session was delivered by Orkhan Jabbarov, Head of Department at Tamiz Shahar OJSC.

The training focused on promoting environmentally responsible thinking, strengthening environmental awareness, encouraging proper waste management practices, and emphasizing the importance of recycling in sustainable development.

During the event, it was also announced that BSU has joined the “Card to Art” project initiated by Tamiz Shahar OJSC. Within the framework of the project, collected plastic cards are transformed into artistic works. Special collection boxes have been installed in the university’s buildings, and the artworks produced from these materials will be exhibited at the “From Waste to Art” Museum under the Heydar Aliyev Foundation.

For more information please click.

Scientific seminar held: Ecological aspects of the use of polyene antibiotics in plant protection

A scientific seminar entitled “The Role of Polyene Antibiotics in Plant Protection” was held at Baku State University. The presentation was delivered by Vafa Gasimova, Associate Professor of the Department of Soil Science and Real Estate Cadastre.

The seminar addressed global and national challenges related to increasing agricultural productivity and improving crop quality, emphasizing the importance of environmentally safe plant protection products. Dr. Gasimova’s research focused on eco-friendly strategies that utilize specific soil microorganisms-particularly

Actinomycetes-to produce biologically active polyene antibiotics effective against pathogenic bacteria and fungi.

Through the application of modern biotechnological methods, molecularly purified polyene antibiotics with high membrane activity and selective effects against pathogenic infections were obtained. The developed preparation was successfully applied to vegetable crops cultivated under both open-field and greenhouse conditions. Compared with conventional treatments, these antibiotics demonstrated superior penetration into plant tissues, maintained effectiveness under adverse climatic conditions, and exhibited strong antibacterial activity, thereby offering a sustainable approach to plant protection.

For more information please click.

Regular seminar of the Student Scientific Society (SSS) held

The Faculty of Ecology and Soil Science at Baku State University held a regular seminar of the Student Scientific Society (SSS).

During the session, second-year student Elvin Aliyev delivered a presentation entitled "Innovative Approaches in Horticulture," while fourth-year student Zuleykha Gadirli presented on "Climate Change and the Efficient Use of Resources."

The presentations generated considerable interest among participants, who raised numerous questions and actively engaged in discussion of the topics. At the

conclusion of the seminar, the presenters were awarded certificates and received books as commemorative gifts.

For more information please click.

BSU becomes the South Caucasus leader in “UI GreenMetric 2025” Ranking

Baku State University (BSU) has been selected as the leading university in the South Caucasus according to the "UI GreenMetric World University Ranking 2025," ranking 493rd among 1,745 universities and advancing 114 places compared to the previous year. The ranking evaluates the environmental sustainability activities of universities, considering criteria such as the environmental impact of campuses, energy policy, management of water and paper resources, sustainable transportation, and ecological education. BSU's result reflects the university's environmental initiatives and the environmental responsibility of its students and academic staff; in the future, the university plans to expand the application of modern ecological practices and strengthen its activities in the field of sustainable development.

For more information please click.

Director of the Scientific Research Institute of Medical Prophylaxis delivers a masterclass to BSU students

A masterclass titled "Vaccine Biotechnology: Nanovaccines" was organized by the SABAH Center at Baku State University, featuring a presentation by Professor Adil Abdullayev,

Director of the Scientific-Research Institute of Medical Prophylaxis named after V.Y. Akhundov. The masterclass explained the working principles and advantages of nanovaccines, the role of liposome, polymer, and metal-based nanocarriers, as well as their potential applications in cancer immunotherapy. The event also highlighted challenges such as high production costs, long-term toxicity, and bioaccumulation, alongside ethical aspects; the session concluded with a Q&A with the students.

For more information please click.

Excursion and agro-Training organized at BSU for Children of the Child Shelter Reintegration Center

An excursion and agro-training were organized at Baku State University for the children of the "Children of Azerbaijan" Child Rehabilitation Center as part of the "Agro School" project, within the "100 Days – 100 Initiatives" campaign by the "Regional Development" NGO.

The event began with a visit to the Aquaponic and Hydroponic Systems Laboratory under BSU's "Eco Space" project, where children were given an interactive presentation on the advantages of hydroponic technologies and soil-less cultivation methods. Subsequently, the participants visited the Museums of Genetics and Evolution and Natural Mineral Resources, learning about biological development and geological stages; certificates were presented to the children who actively participated in the project.

For more information please clic k.

CONCLUSION

This report highlights the efforts and achievements of BSU in advancing Sustainable Development Goal 12: Responsible Consumption and Production. The university has made significant progress in efficient resource use, waste reduction, recycling promotion, and environmental awareness-raising. Implemented projects, adopted policies, and active student engagement demonstrate BSU's leadership in promoting sustainable consumption and production. The key findings presented below provide an overview of the university's accomplishments in this area.

- BSU has implemented a Sustainable Procurement Policy (SPP) for responsible consumption and production.
- Plastic bottles are completely banned on campus, with separate bins for paper and plastic waste.
- Promoting recycling and waste minimization is a key priority.
- Courses such as "Ecology," "Organic Chemistry," and "Sustainable Development" educate students on the dangers of plastic pollution.
- The "Eco Space" project introduced aquaponics, bioreactors, solar panels, and digital eco-monitoring systems.

12 RESPONSIBLE CONSUMOTION AND PRODUCTION

SDG FOCUSED MEMBERSHIPS

aashe member
The Association for the Advancement of Sustainability in Higher Education

CANIE
climate action network

WAITRO

GUNI
GLOBAL UNIVERSITY NETWORK FOR INNOVATION

ISCN
International Sustainable Campus Network

12 RESPONSIBLE CONSUMOTION AND PRODUCTION

SDG FOCUSED RANKING RESULTS

Rated for Excellence

Baku State University

Through rigorous and independent data collection and analysis of performance metrics as set out in the QS Stars™ methodology Baku State University has been awarded 5 Stars.

★★★★★ TEACHING

★★★★★ FACILITIES

★★★★★ EMPLOYABILITY

★★★★★ GOOD GOVERNANCE

★★★★★ ENVIRONMENTAL IMPACT

★★★★★ ACADEMIC DEVELOPMENT

★★★★ GLOBAL ENGAGEMENT

★★★★ CHEMISTRY

★★★★★ DIVERSITY, EQUITY & INCLUSION

QS Stars

The QS Stars™ rating system evaluates universities across a wide spectrum of important performance indicators as set against pre-established international standards. By assessing a broader scope of criteria than any world ranking exercise, QS Stars™ illuminates the unique strengths and diversity of the rated institution with both precision and clarity.

Leigh Kamolins, Head of Evaluation

12 RESPONSIBLE CONSUMOTION AND PRODUCTION

12 RESPONSIBLE CONSUMOTION AND PRODUCTION

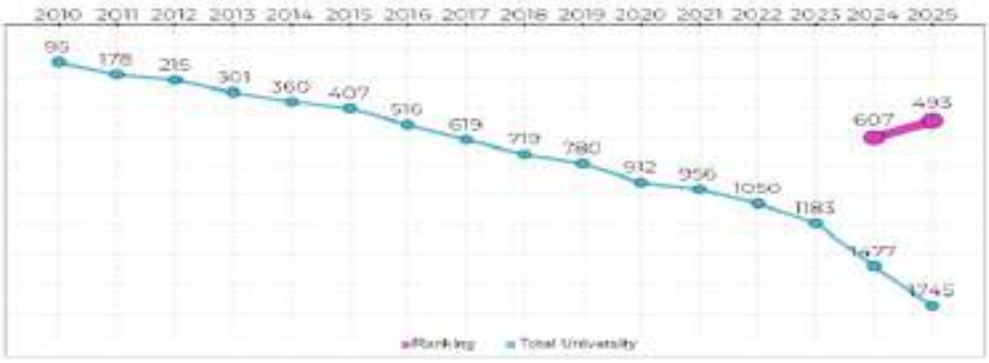
4. RANKING IN AZERBAIJAN

Country Ranking	SI Ranking	EC Ranking	WS Ranking	WR Ranking	TR Ranking	ED Ranking
1	2	11	3	5	1	2

2. RESULTS SUMMARY

World Ranking	SI Ranking	EC Ranking	WS Ranking	WR Ranking	TR Ranking	ED Ranking
493	660	1102	654	607	98	239

3. WORLD RANKINGS HISTORY



12 RESPONSIBLE CONSUMOTION AND PRODUCTION

UNIVERSITY PROFILE

NAME : BAKU STATE UNIVERSITY

EST. : 1919

COUNTRY : AZERBAIJAN

1. VERIFIED DATA

Campus Sustainability Scores

Overall Performance
68.75 %

Total Score
6875 / 10000

68.75%

SI Setting & Infrastructure
Current: **950** Maximum: 1500
63.33%

WR Water
Current: **662.5** Maximum: 1000
66.25%

EC Energy & Climate Change
Current: **1000** Maximum: 2100
47 [illegible]

TR Transportation
Current: **1625** Maximum: 1800
90.28%

WS Waste
Current: **1075** Maximum: 1800
59.72%

ED Education & Research
Current: **1562.5** Maximum: 1800
86.81%

12 RESPONSIBLE CONSUMOTION AND PRODUCTION

THE IMPACT RANKINGS

OVERALL RANK

401–600 out of **2318** institutions

OVERALL SCORE

71.8 out of **100**

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

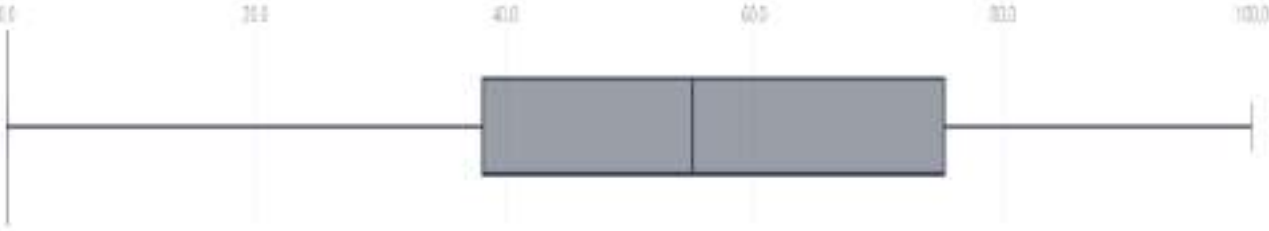
SCORE **N/A** RANK **N/A** out of **973** institutions

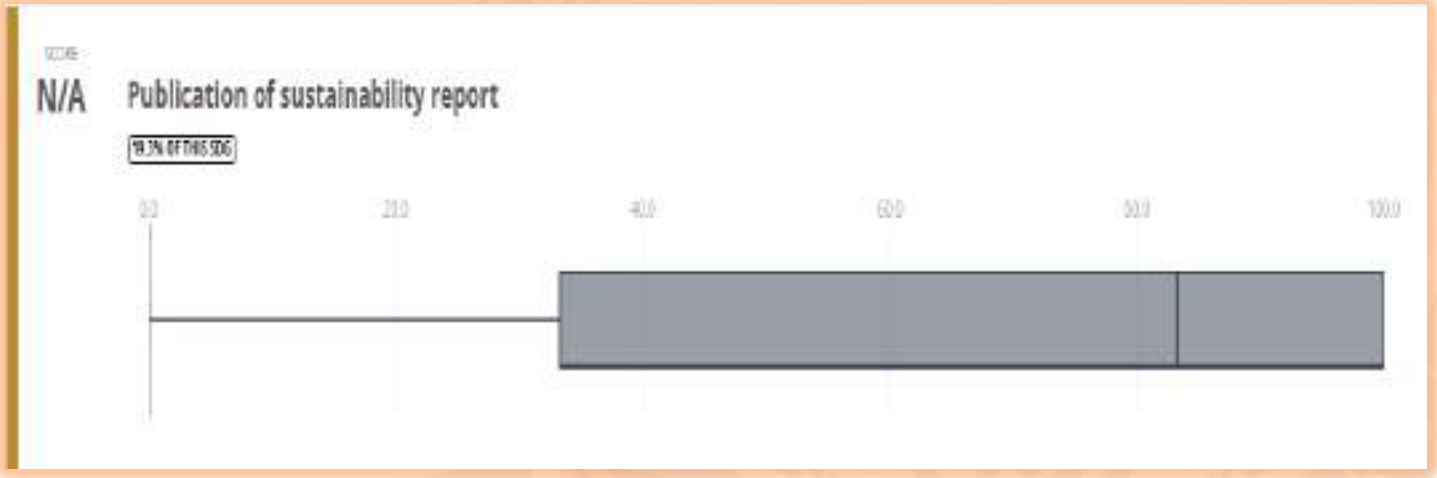
SCORE
N/A Research on responsible consumption and production

27% OF THIS SDG

SCORE
N/A Operational measures

36.7% OF THIS SDG





SDG FOCUSED RESEARCH

Baku State University (BSU) actively supports Sustainable Development Goal 12: Responsible Consumption and Production through its research and innovation activities. The university addresses key environmental challenges such as unsustainable industrial practices, excessive waste generation, and inefficient resource use.

BSU researchers conduct studies on sustainable agriculture, industrial waste management, renewable energy technologies, and circular economy solutions. These include the development of biodegradable agricultural materials, improved methods for wastewater treatment and metal recovery, and research on environmentally sustainable materials and plastic alternatives. In addition, research on renewable energy technologies, such as solar-based hydrogen production, demonstrates the university's commitment to advancing clean energy solutions.

Through these research initiatives, BSU contributes to promoting sustainable production systems, reducing environmental impacts, and supporting national and global sustainability goals under the SDG framework.

1. Authors: Mukhametov, A.E., Moreva, E.L., Bayramli, M., Smirnov, A.V., Egorov, I.
Focus: Economic diversification in Arabian Peninsula countries.
Methods: Analysis of economic structure and global oil price trends (1970–2023).
Findings: Non-oil sectors like digital technology, renewable energy, and tourism are crucial for economic resilience.
Recommendation: Adopt SMART diversification strategies to improve long-term stability and macroeconomic performance.
 Full text

2. Authors: Humbatova, S., Abbasova, G., Humbatov, M.F.O.
Focus: Caspian Sea coastline transformations in Azerbaijan.
Methods: Analysis of sea level fluctuations, hydrodynamics, and pollution impacts on ecosystems and communities.
Findings: Shoreline displacement and morphological changes affect tourism, population well-being, and ecosystems.
Recommendation: Monitor and manage coastal areas to mitigate environmental and social impacts.
 Full text

3. Authors: Geidarov, A.A., Babayeva, P.G., Turan, M.D., Nizamoğlu, H.
Focus: Phosphorus removal from alunite ore.
Methods: Thermal treatment, caustic dissolution, gypsum and CO precipitation.
Findings: Reduced phosphorus from 4.8 g/L to 2 mg/L; valuable metals recovered (Al, V, Ga).
Recommendation: Apply method for industrial phosphorus control and resource recovery.
 Full text

4. Authors: Mustafazade, T., Maharram, M., Akhundzada, H.V.N., Khankishiyeva, R.F.
Focus: Eco-friendly wheat seed coatings.
Methods: Chitosan-biochar (CS-BC) composites tested under controlled conditions.
Findings: CS-BC 4:1 improved germination, seedling vigor, and soil organic carbon.
Recommendation: Further field testing to confirm sustainable alternative to synthetic agrochemicals.
 Full text

5. Authors: Guliyeva, Z., Maxsudov, S., Garibova, S., Novruzova, S., Guliyev, S.

Focus: Vermicompost effects on tomato yield.
Methods: Greenhouse experiments with varying vermicompost rates and irrigation.
Findings: 1.0 t/da vermicompost enhanced yield, nutrient uptake, and soil health; mitigated water stress effects.
Recommendation: Combine organic fertilization with irrigation management for sustainable cultivation.
 Full text

6. Authors: Macnunlu, K., Baba-Zade, R.H., Hasanova, T.

Focus: Agroecosystem sustainability in Barda district, Azerbaijan.
Methods: Biodiversity and organic matter analysis, remote sensing (NDVI, SAVI), GIS, precision farming.
Findings: Green manure and barley straw increase weeds; optimized land use can enhance productivity.
Recommendation: Integrate remote sensing and precision farming for sustainable agriculture.
 Full text

7. Authors: Nasibova, A.N., Bakhishzada, A., Khalilov, R.I.

Focus: Environmental hazards of micro- and nanoplastics.
Methods: Review of sources, accumulation, and toxic effects of microplastics.
Findings: Microplastics disrupt biological systems and carry toxic chemicals like BPA.
Recommendation: Reduce plastic production, improve waste management, and limit human exposure.
 Full text

8. Authors: Nizamoğlu, H., Turan, M.D., Sarı, Z.A., Babayeva, P.G.

Focus: Metal recovery from copper slag and mill scale.
Methods: Two-stage hydrochloric acid leaching, Response Surface Methodology (RSM).
Findings: 97.22% copper recovery using recycled Fe(III)/Fe(II) solution from mill scale.
Recommendation: Promote greener, sustainable metal recovery using recycled solutions.
 Full text

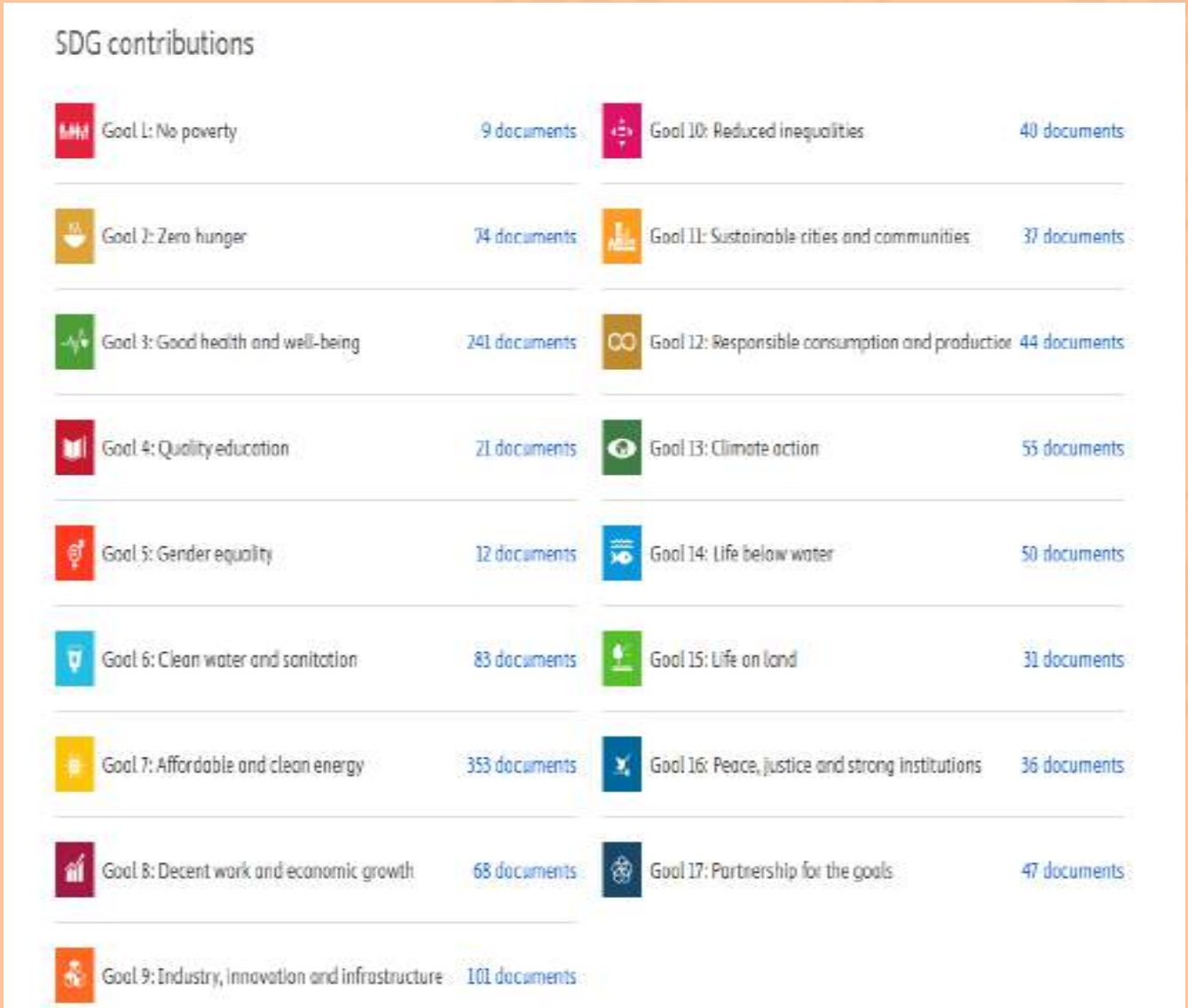
9. Authors: Khang, A., Abdullayev, V.H., Litvinova, E.I., Gadirova, E.M., Avramović, Z.Ž.

Focus: IoT and bioelectronics in automated waste treatment.
Methods: Comprehensive guidance on green technologies, smart systems, and sustainable infrastructure.
Findings: IoT-enabled systems enhance environmental sustainability and resource efficiency.

Recommendation: Implement innovative waste treatment technologies to tackle climate change and resource depletion.

 Full text

For all SDGs related articles please visit: Scopus - Baku State University



Baku State University

2025 REPORT ON

13 CLIMATE ACTION

Introduction
SDG 13: CLIMATE ACTION

Baku State University (BSU) demonstrates a strong commitment to sustainable development, environmental protection, and youth engagement through a wide range of academic, research, and community activities. The university actively integrates the United Nations Sustainable Development Goals (SDGs) into its educational programs, volunteer initiatives, and international collaborations, emphasizing climate action, renewable energy, biodiversity conservation, and smart agricultural practices. Through partnerships with governmental bodies, NGOs, and private sector organizations, BSU fosters practical experiences for students and faculty, enabling them to contribute meaningfully to societal development and environmental stewardship. Initiatives such as field trainings, scientific conferences, workshops on artificial intelligence in agriculture, and the establishment of green campuses highlight the university's role as a center for innovation and sustainable education.

Furthermore, BSU places a strong emphasis on youth development and volunteerism, creating platforms like "BDU Volunteers" to involve students in social, ecological, and humanitarian activities. Students participate in events ranging from tree planting campaigns and coastal cleanups to climate conferences and recycling programs, which cultivate environmental awareness, leadership, and civic responsibility. These programs not only enhance students' academic and professional skills but also strengthen national and international networks, exemplified by BSU's participation in COP29, the International Sustainable Campus Network, and other global initiatives. Collectively, these efforts reflect a holistic approach to sustainability, combining education, research, and active social engagement to address pressing global challenges.

For previous year's report please see:

https://sdg.bsu.edu.az/research-on-sdg-13

A training session at BSU dedicated to World Reserves and National Parks Day

Employees of the Biodiversity Conservation Service of the Ministry of Ecology and Natural Resources held a training session at the Faculty of Ecology and Soil Science of Baku State University on the occasion of World Reserves and National Parks Day on January 11. During the training, information was provided about specially protected natural areas such as national parks, state nature reserves, and sanctuaries, as well as recent developments in this field. Plans for establishing a Geopark based on the Absheron mud volcanoes State Nature Reserve and a Biosphere Reserve based on the Zagatala State Nature Reserve were also discussed. In addition, the creation of two new national parks, Bozdag and Ilisu, was mentioned. It was noted that currently 10 national parks and 10 state nature reserves operate in the country.

For more information, please click here

The chairman of BSU Volunteers: Our organization has become a favorable platform for students development.

Volunteering in Azerbaijan has become not only an activity but also a lifestyle for young people. One of the key directions of the country's youth policy is encouraging youth participation in volunteer activities, reflecting their patriotism, commitment to values, and humanitarian spirit. This policy, founded by Heydar Aliyev and continued by Ilham Aliyev, was strengthened by the adoption of the Law on Volunteer Activity in 2009 and the declaration of 2020 as the Year of Volunteers in Azerbaijan.

Today, many volunteer groups and organizations operate in the country, among which "BDU Volunteers" holds a special place at Baku State University. The organization brings together around 1,500 active student volunteers and has contributed to the university's achievements over the past five years by creating opportunities for students' personal and professional development. In 2024 alone, more than 13,000 volunteer students participated in over 300 events organized by the group.

Within the framework of the “Green World” program related to the Year of Solidarity for a Green World, 18 events were organized to increase youth awareness about sustainable development and ecosystem protection. The organization also collaborates with other volunteer groups and participated in events organized by the Azerbaijan Volunteer Organizations Alliance, where 706 BDU volunteers represented the university.

BDU volunteers also played an active role in the 29th session of the Conference of the Parties to the United Nations Framework Convention on Climate Change, COP29, helping raise awareness about climate change issues. In addition, through the “Internship with Volunteers” program, students gain practical experience within university structures, and 18 volunteers have already been employed at the university.

Overall, the activities of the five-year-old volunteer organization reflect the dynamic volunteer movement at the 105-year-old Baku State University. The dedication of volunteers to their country, state, and university continues to motivate them to achieve further success.

For more information, please click here

537 students of BSU were awarded for their active volunteer work at COP29

The activities of 537 students from Baku State University who participated in organizing the 29th session of the United Nations Framework Convention on Climate Change, COP29, held from November 11–22 last year, were highly appreciated by the President of Azerbaijan, Ilham Aliyev, who awarded them letters of appreciation and monetary rewards. During the event, volunteers worked in 17 departments across 35 different fields, performing tasks ranging from welcoming guests at the airport to supporting operations at the Baku Olympic Stadium where the conference was held. They also assisted staff of the COP29 Azerbaijan Operating Company and UN representatives in carrying out their duties. In addition, several department heads and faculty members of Baku State University were also awarded letters of appreciation by the President for their valuable contribution to the organization of COP29.

For more information, please click here

An International Scientific Conference on the topic of Application of Modern Equipment and Methods in Improving Food and Water Security is being held at BSU

An international scientific conference titled “Application of Modern Equipment and Methods in Improving Food and Water Security” is being held at Baku State University, jointly organized by the university, Bayramli Group LLC, and the German company AnalytikJena. At the opening ceremony, the rector Elchin Babayev emphasized the global importance of food and water security and noted that it is one of the priority areas of state policy in Azerbaijan. He highlighted that research centers,

modern laboratories, and the Ekomekan and ECOLEAD clinics at the university support new approaches to food safety, environmental problem solving, and efficient use of natural resources. Cavid Bayramli also stressed the importance of public-private partnership and the company's activities in establishing molecular biology laboratories in several regions. During the scientific session, Marina Mukhina, Aynur Omerli, and Oliver Buttel delivered presentations on modern analytical equipment and methods. The conference discusses techniques such as atomic absorption spectroscopy, ICP-MS, ICP-OES, and TOC/TN analysis and their applications in food quality control, waste management, and solving ecological problems, and continues with scientific presentations.

For more information, please click here

The State Youth Policy is being successfully implemented

At Baku State University, various projects are implemented to increase the public activity of students and staff and encourage their participation in the country's socio-cultural life. The university strengthens cooperation with state institutions, NGOs, and public organizations to implement joint social initiatives. In 2024, cooperation expanded and more than 900 events were held focusing on state youth policy, humanitarian issues, the legacy of Heydar Aliyev, the ideology of Azerbaijanism, and the promotion of national and spiritual values. During the year, cooperation memorandums were signed with institutions such as Veysəloğlu Group of Companies, National Depository Center of Azerbaijan, Education Development Fund of Azerbaijan, National Library of Azerbaijan, Azerbaijan Medical University, International Organization of Turkic Culture (TÜRKSOY), and the Probation Service of the Ministry of Justice. Several media and discussion rooms were also opened at the university.

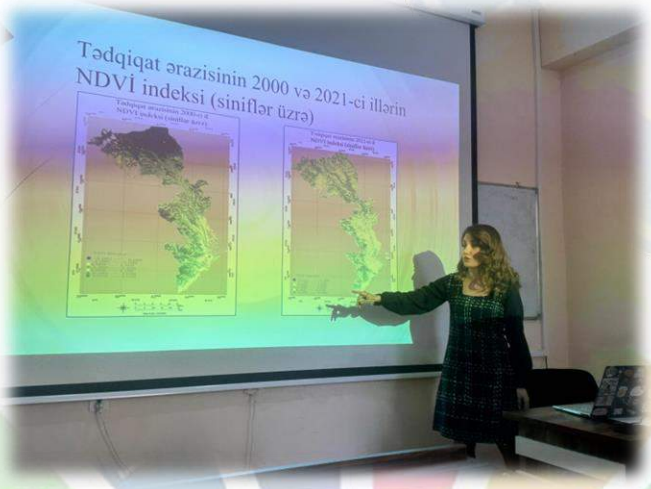
Within the framework of the "Year of Solidarity for a Green World", more than 70 environmental awareness events were organized. In connection with COP29, about 30 events were held at the university, and 537 students participated as volunteers and were awarded by the President of Azerbaijan, Ilham Aliyev.

Various projects such as "Youth Week 2", "From Student to Schoolchild", "COP29 Week", the "Young Cultural Journalists School", a career festival, the "Young Programmers" competition, the "Young Leaders" forum, and "BDU Volunteers Week" were organized during the year. Student organizations remained very active: the Student

Youth Organization held 161 events, the Student Trade Union Committee organized 126, and the “BDU Volunteers” organization conducted 389 events. Volunteer activities expanded to 1,500 members, and students participated in more than 100 projects and activities outside the university. In addition, BSU students took part in more than 40 international and national competitions, contributing to the successful implementation of state youth policy in Azerbaijan.

For more information, please click here

An assessment of the ecological situation in the Həkəriçay reservoir was conducted at BSU



A scientific seminar was held at the Faculty of Ecology and Soil Science of Baku State University, where Gunel Heydarzadeh presented research on the quantitative and qualitative assessment of the dynamic state of forest and vegetation cover in the Hakarichay basin (Lachin, Gubadli, and Zangilan districts) during the occupation period. The study analyzed ecological changes in different parts of the basin and their interaction with the regional hydrological regime. Using satellite data, the NDVI index of forest-vegetation cover for different years was determined, area indicators were calculated, and maps showing increasing, decreasing, and unchanged areas were prepared. Dynamic maps and histograms were created by comparing satellite images from different years, while diagrams illustrating the river network and hydrological dynamics of the districts were also produced. The research further evaluated aerosol levels, analyzed the MNDWI water index, and examined the impact of hydrological changes on vegetation cover. As a result, a multilayer electronic map of the southwestern region of Azerbaijan was developed using processed satellite imagery, including relief layers and multispectral indices such as NDVI, AFRI, and NDWI.

For more information, please click here

BSU Volunteers Participate in Tree Planting Campaign Dedicated to Azerbaijan Youth Day.

On February 1, a tree-planting campaign dedicated to Azerbaijan Youth Day was held in Mushfigabad settlement. The event was jointly organized by the Ministry of Ecology and Natural Resources of Azerbaijan, the Ministry of Youth and Sports of Azerbaijan, and the Youth Foundation of Azerbaijan in partnership with the Azerbaijan Volunteer Organizations Union, with participation from members of the “BDU Volunteers” organization of Baku State University. The event brought together officials, staff members, representatives of Youth Houses, NGOs, and volunteers, and included the planting of Eldar pine and olive trees suitable for the soil and climate conditions of the Absheron Peninsula.

For more information, please click here

Methodology for calculating biomass and carbon sequestration potential in Azerbaijan Forests brochure published by BSU staff.

A brochure titled “Methodology for Calculating Biomass and Carbon Sequestration Potential in Azerbaijan’s Forests” was prepared by Yusif Abiyev from Baku State University and Cuma Uyk from the Food and Agriculture Organization Regional Office for Turkey, Asia, and the Caucasus. The brochure was developed within a project supported by the Regional Development Public Union under the “COP29 International Initiatives” grant program with support from the Ministry of Ecology and Natural Resources of Azerbaijan and the State Support Agency for Non-Governmental Organizations of Azerbaijan. Students from the BSU Faculty of Biology’s Student Scientific Society—Nazira Abbasova, Fariz Hasanaliyev, and Aydan Valiyeva—also contributed to the research.

The brochure explains the ecological importance of Tugay forests and provides a systematic methodology for calculating forest biomass and carbon storage using international standards, including assessments of above-ground and below-ground biomass, deadwood, and soil organic carbon. The study examined Tugay forests along the Kura River and the carbon sequestration potential of the Qarayazi State Nature Reserve. It also proposes a special allometric equation allowing the analysis of satellite images from Azercosmos to assess the carbon sequestration potential of plain forests, based on carbon stock evaluations conducted in Samur-Yalama National Park. Training sessions on this methodology were also organized at the university for experts, teachers, and students.

For more information, please click here

BSU staff participates in the event dedicated to the 21st anniversary of the creation of Hirkan National Park.

Professors from the Faculty of Biology at Baku State University—Mirmusa Jafarov, Yusif Abiyev, and PhDs in Biology Vazeh Bakhshiyev, Sevinj Mammadova, and Tahir Yunuslu—participated in a roundtable dedicated to the 21st anniversary of Hirkan National Park, held in Lankaran. The event was organized by the Biodiversity Protection Service under the Ministry of Ecology and Natural Resources of Azerbaijan and included

scientists from Lankaran State University, the Institutes of Zoology and Botany, as well as representatives of the World Wide Fund for Nature and other partner organizations.

During the discussions, the ecological importance of Hirkan National Park, known for its rich biodiversity and rare flora and fauna, was emphasized. Experts highlighted the need for stronger cooperation to protect its ecosystems, expand scientific research, and develop ecotourism. They also noted the importance of including the unique Hirkan forests along the southwestern and southern coasts of the Caspian Sea in the UNESCO World Heritage List. At the end of the event, participants exchanged ideas on strengthening cooperation and implementing broader scientific and environmental projects for the future development and conservation of Hirkan National Park.

For more information, please click here

BSU has been awarded 5 stars in the "QS Stars" audit evaluation

Baku State University (BSU) has achieved significant international success by receiving a 5-star ("Excellent") rating in 7 out of 9 categories in the QS Stars audit conducted by QS Quacquarelli Symonds. The university excelled in teaching, academic development, modern facilities, graduate employability, environmental initiatives, diversity and inclusion, and good governance, while global engagement and the chemistry program received 4 stars. This accomplishment confirms BSU's adherence to international standards in education, research, and management, further enhancing its reputation in the global higher education arena.

For more information, please click here

Scientific seminar at BSU: Development of smart irrigation technology

A scientific seminar was held at the Faculty of Physics of Baku State University (BSU), organized by Sara Rahimzadeh from the Department of Chemical Physics of Nanomaterials, focusing on the project **"Development of Smart Irrigation Technology (SmAgTech),"** which won the 5th grant competition by the Small and Medium Business Development Agency (SMBDA). Professor Mais Suleymanov emphasized the global relevance of smart irrigation, particularly for drought-prone Azerbaijan, while Dean Bəxtiyar Paşayev highlighted the benefits of youth involvement in innovative projects. The project, led by Rahimzadeh, aims to create a cost-effective smart irrigation system that minimizes water waste, enables remote monitoring of fields and greenhouses via a mobile app, allows automatic fertilization, and uses a special sound system to repel pests, ultimately increasing agricultural productivity. The seminar concluded with a discussion session addressing participants' questions.

For more information, please click here

A scientific seminar titled The Glaciation Phases of Our Planet was held at BSU

On March 27, Baku State University (BSU) held a scientific seminar at the Faculty of Geography in honor of "Science Day" in Azerbaijan. Dr. Vagif Mammadov from the Geological and Geophysical Institute presented on "The Glaciation Phases of Our Planet," highlighting that about 72 million km² of Earth is annually covered by snow, with glaciers affecting climate and the greenhouse effect through changes in surface albedo. Dean Məqsəd Qocamanov emphasized the significance of the presidential decree establishing Science Day in 2018 and the growing interest of youth in

scientific research. The seminar concluded with a Q&A session addressing questions from faculty and researchers.

For more information, please click here

TEDx-style meeting at BSU

The Public Speaking Club of Baku State University (BSU) organized a **TEDx-style meeting** under the Student Youth Organization. Speakers presented on diverse topics: Ravana Guliyeva on motivation, Aisha Jafarli on personal development, Sabuhi Haqverdiyev on the links between thoughts and language, and Nurgul Alizade on the ecological role of carbon dioxide. The event highlighted TEDx meetings as an effective platform for young people to enhance their public speaking, presentation, and self-expression skills while sharing innovative ideas in science, culture, and technology.

For more information, please click here

Dedicated lanes for bicycles and small electric vehicles at the main entrance of BSU

Dedicated lanes for bicycles and small electric vehicles have been established at the main entrance of Baku State University. These lanes were created in accordance with the Decree of the President of the Republic of Azerbaijan, Ilham Aliyev, dated January 30, 2025, on the “Approval of the State Program for the Improvement of Transport Infrastructure in Baku and Surrounding Areas for 2025–2030.” The initiative aims to develop micromobility, reduce traffic congestion, decrease reliance on private cars, and promote sustainable and environmentally friendly urban transport. Secure bicycle parking spaces have also been installed along these lanes.

For more information, please click here

BSU Volunteers organize awareness event dedicated to International Recycling Day

The “BSU Volunteers” organization, together with students from the Faculty of Ecology and Soil Science, held an event for International Recycling Day to raise environmental awareness. The program focused on proper waste management, recycling practices, and ecological preservation, teaching students practical ways to reuse materials and adopt eco-friendly habits. Participants learned about the global and local impacts of environmental issues, proper sorting of recyclables, and actionable tips to reduce waste and strengthen their everyday ecological responsibility.

For more information, please click here

SDG WEEK HAS STARTED WITH THE ORGANIZATION OF BSU THIK

The opening ceremony of “Sustainable Development Goals (SDG) Week” at Baku State University (BSU), organized by the Student Trade Union Committee (STUC), highlighted Azerbaijan’s efforts toward the UN-established SDGs. Zöhrab Cavadzadə and other speakers emphasized the global importance of addressing poverty, inequality, climate change, and quality education, noting BSU’s role as a center of innovation, science, and education in promoting these goals. The week-long program, running until April 11, will feature training sessions, seminars, and interactive activities focused on health, education, climate action, sustainable cities, and reducing inequality.

For more information, please click here

BSU has joined the global academic network CANIE to combat climate change

Baku State University (BSU) has joined the Climate Action Network for International Educators (CANIE), marking a key step in its commitment to climate action and sustainable development. As the first Azerbaijani university in the network, BSU will work to reduce its carbon footprint, advance environmental education, implement green campus strategies, and promote sustainable academic mobility. This membership complements BSU's existing initiatives, including the "ECOLEAD" project and the "Green University" concept, reinforcing its leadership in ecological responsibility and international collaboration in higher education.

For more information, please click here

The first workshop of the project titled "Application of Artificial Intelligence in Precision Agriculture" organized by the Agricultural Innovation Center at BSU has been held

The Ministry of Agriculture's Agrarian Innovation Center launched the project "Application of Artificial Intelligence in Precision Agriculture" to promote AI-driven innovations in agriculture. The first workshop, held on April 16 at Baku State University (BSU), highlighted smart management of soil, water, and natural resources through AI, supporting Azerbaijan's digital development and modernization of the agricultural sector under President Ilham Aliyev's leadership. Rector Elchin Babayev emphasized BSU's

active role in research, innovation, and sustainable agriculture, citing student achievements at TEKNOFEST with projects like smart irrigation, smart monitoring systems, and the “Irrigo – Sustainable Agricultural Ecosystem.”
The project aims to enhance intellectual development in agriculture, strengthen collaboration between universities and industry, and provide practical training for young innovators. A Bootcamp in Aghali village, Zangilan District (April 28-29), will promote innovative agricultural solutions, facilitate knowledge sharing, and implement smart technologies on selected farms.
Officials from the Ministry of Agriculture, ASAN Innovation Center, major agro-parks, and private sector leaders—including Elmar Allahverdiyev, Shohret Mammadov, Kocheri Mammadov, Emin Kara, Ruslan Zeynal, and Isa Gasimov—shared insights on AI applications, automated systems, and initiatives supporting technological advancement and entrepreneurship in agriculture. This initiative marks a key milestone in advancing smart agriculture and fostering innovative solutions in Azerbaijan.

For more information, please click here

An International Earth Day has been celebrated at BSU

A scientific seminar marking April 22 – International Earth Day was held at Baku State University (BSU), jointly organized by the Faculties of Geology and Geography to raise awareness of environmental challenges and current issues in geological and geographical sciences. Dean Professor Magsad Qocamanov highlighted the history and significance of Earth Day and the importance of ecological stability and sustainable resource use. Associate Professor Avaz Mammadov presented on “Problems of Earthquake Prediction,” detailing scientific methods, international practices, and the state of seismology in Azerbaijan. Professor Chingiz İsmayılov discussed geomatics, spatial data analysis, and their role in environmental monitoring, disaster prediction, and sustainable regional development.

For more information, please click here

Information session on the international startup acceleration program Green and Digital Silk Road at BSU

Baku State University (BSU) hosted an information session on the international startup acceleration program “Green and Digital Silk Road.” Isa Gasimov, Head of the “Enterprise Azerbaijan” portal at the Center for Analysis of Economic Reforms and Communication (CAERC), explained the program’s goals: supporting startups in green and digital technologies, enhancing regional cooperation, and attracting investment. Participants received guidance on registration, participation, and opportunities to work with international mentors, followed by a Q&A session addressing students’ questions about the program.

For more information, please click here

BSU joins the International Sustainable Campus Network

Baku State University (BSU) has become the first Azerbaijani university to join the International Sustainable Campus Network (ISCN), reinforcing its commitment to sustainable development and ecological responsibility in higher education. ISCN connects leading universities worldwide to share best practices in environmental protection, social responsibility, and support for the UN Sustainable Development Goals (SDGs). BSU’s membership highlights international recognition of its sustainability initiatives and green campus strategy, enabling participation in global projects, events, and collaborative research in sustainability.

For more information, please click here

Deputy director of the State Agency on Renewable Energy Sources delivers a masterclass at BSU

At the Faculty of Ecology and Soil Science of Baku State University (BSU), Fagan Abdurahmanov, Deputy Director of the State Agency on Renewable Energy Sources under the Ministry of Energy, delivered a masterclass entitled "Renewable Energy Sources and the Development of Green Energy in Azerbaijan: Current Status and Future Prospects."

In his opening remarks, Faculty Dean Associate Professor Akif Agbabali highlighted the importance of such educational initiatives in enhancing students' knowledge and skills, as well as in guiding their future career choices. He expressed his gratitude to the speaker and the delegation, emphasizing the value of providing students with internship and exchange opportunities within the relevant departments of the State Agency on Renewable Energy Sources.

During his presentation, Mr. Abdurahmanov elaborated on the role of green energy in environmental protection and provided comprehensive information about ongoing wind and solar energy projects, which are considered highly promising sectors in Azerbaijan. He discussed production mechanisms, economic efficiency, the country's current utilization of renewable energy sources, the installed capacities of wind and solar power plants, and planned future projects. The session concluded with a Q&A segment, during which students' questions were addressed.

For more information, please click here

BSU students visit the Gobustan Mud Volcanoes

A group of faculty and students from the Department of Economic-Political Geography of Foreign Countries and Tourism at Baku State University (BSU) visited the Gobustan Mud Volcanoes Tourism Complex to study regional geological processes and assess natural resource potential. Students learned about the scientific importance of Gobustan mud volcanoes for environmental protection and disaster prediction, as well as their geological, natural, and therapeutic properties. The visit included exploration of the volcanoes' features and the area's stratigraphic rock formations.

For more information, please click here

Awareness event on Combating Environmental Crimes: Legal and Organizational Approaches held at BSU

Baku State University (BSU) hosted an awareness event on "Combating Environmental Crimes: Legal and Organizational Approaches," organized by the Student Trade Union Committee (STUC) from the Faculties of Ecology and Soil Science and Law. Faculty speakers highlighted Azerbaijan's efforts to address environmental problems, enforce regulations, and restore ecological balance. Lecturer Rashad Murshudov explained the legal framework for environmental crimes under the Criminal Code, including responsibilities, penalties, and the impact of violations on society and sustainable development. The event concluded with an interactive session where students asked questions on legal protection, environmental conservation, and challenges in enforcing environmental laws.

For more information, please click here

The ECOLEAD project is being successfully implemented

As part of the ECOLEAD project (Environmental Empowerment: Awareness and Law Enforcement Measures), a tree-planting campaign was held in the Surakhani district of Baku to honor the 102nd anniversary of National Leader Heydar Aliyev. The event was attended by Prosecutor General Kamran Aliyev, BSU Rector Elchin Babayev, officials from the Prosecutor's Office, the Ministry of Ecology and Natural Resources, and local executive authorities. A total of 500 trees were planted across 2 hectares. Since the launch of ECOLEAD in 2024, over 2,200 trees have been planted across 10 hectares in multiple districts of Baku. The project is jointly implemented by the Prosecutor General's Office, Ministry of Ecology, BSU, Nakhchivan State University, and Karabakh University, with plans to continue its environmental initiatives

For more information, please click here

Field training programs commence at BSU

As part of their curriculum, final-year undergraduate students from the Faculties of Geography, Ecology and Soil Science, and Biology at Baku State University (BSU) began field training programs on May 14 in the regions of Quba, Shamakhi, Gabala, and Lankaran. The training covers physical, economic, and hydrometeorological characteristics, tourism and recreation, local economies, population, landscapes, water resources, soils, and vegetation. Starting May 27, final-year students from the Faculty of History will conduct training at the Gabala Archaeological Center, Gobustan National Historical-Artistic Reserve, Quba Genocide Memorial Complex, and the Shamakhi City History and Ethnography Museum.

BSU is represented at Caspian Agro – the 18th Azerbaijan International Agriculture Exhibition

Baku State University (BSU) participated in the 18th Azerbaijan International Agriculture Exhibition, “Caspian Agro,” showcasing its “Irrigo – a Sustainable Agricultural Ecosystem” project under the “Smart Agro” initiative of the Agrarian Innovation Center. The system treats wastewater and uses artificial intelligence to tailor irrigation water and fertilizer application to crop needs, supporting the Smart Village concept and Azerbaijan’s

National Strategy on Efficient Use of Water Resources, with a focus on sustainable development in liberated Karabakh territories. During the exhibition, President Ilham Aliyev visited the BSU booth and was briefed on the project as well as the university's achievements in startups and technology competitions. BSU also presented its innovations and academic strengths at a dedicated promotional stand for higher education institutions.

For more information, please click here

Republic Scientific Conference on the new stage of land reform and the resolution of ecological problems at BSU

Baku State University (BSU) hosted a republic-wide scientific conference titled "The New Stage of Land Reform and the Resolution of Ecological Problems" in honor of the 102nd anniversary of National Leader Heydar Aliyev. The event highlighted his contributions to Azerbaijan's agricultural development, land reforms, and environmental policies, emphasizing the integration of ecological considerations into state programs. Speakers—including Mais Suleymanov, Akif Agbabali, Sevinj Hajiyeva, Garib Mammadov, Elmar Allahverdiyev, and Shovqi Goychayli—discussed his legacy in sustainable development, natural resource management, and ecological protection. The plenary session featured presentations on ecological changes in Agdam District and wetland impacts at Gizilaghaj National Park, with the conference continuing across five specialized sections.

For more information, please click here

The series of trainings dedicated to the integration of SDG into education and research at BSU has been successfully completed

Baku State University (BSU) successfully completed a series of training sessions focused on integrating the United Nations Sustainable Development Goals (SDGs) into higher education teaching and research. Organized by BSU's Quality Assurance Center under Asiman Ilyasov, the program involved over 400 academic staff in interactive, discussion-based sessions to enhance understanding of sustainability and develop practical strategies for applying SDGs in academic and research activities. This initiative reinforces BSU's commitment to sustainability and represents a key component of the university's long-term strategic development priorities.

For more information, please click here

BSU Faculty of Ecology and Soil Science students conduct field training in Shamakhi and Gobustan

Fourth-year students from the “Ecology,” “Soil Science and Agrochemistry,” and “Land Management and Real Estate Cadastre” programs at Baku State University’s (BSU) Faculty of Ecology and Soil Science (across Azerbaijani, Russian, and English divisions) participated in a field training trip to Shamakhi and Gobustan districts. In Shamakhi, students studied the region’s soil-landscape diversity, agricultural practices, industrial areas, and recreational resources, including hands-on examination of mountain forest-brown soils in Pirgulu. In Gobustan, at the Gobustan Regional Experimental Station (GRES), Director Atabay Jahangirli guided students through cereal crop cultivation areas, soil-climatic conditions, and morphogenetic soil analysis, including genetic horizons and formation processes. Students also conducted environmental monitoring, measuring ozone, ammonia, noise pollution, water and soil pH, and radiation levels, while observing patterns of soil, vegetation, river regimes, and landscape changes across elevation zones.

For more information, please click here

BSU Flower Planting Campaign

Baku State University (BSU) Student Trade Union Committee (STUC), together with “BDU Volunteers” and the Student Youth Organization, organized a flower planting campaign on campus. Students from various faculties participated, planting flowers, installing flower pots on light poles, and building birdhouses. The initiative aimed to promote environmental protection, enhance ecological education, and positively contribute to the university’s natural surroundings.

For more information, please click here

BSU represented at Baku Energy Week

Baku State University took part in Baku Energy Week, which brings together three major platforms: the 30th Anniversary Caspian Oil and Gas Exhibition, the 13th Caspian Power Exhibition, and the 30th Anniversary Baku Energy Forum.

Within the “Smart Energy Hub” startup zone, 10 local and international projects were presented. At the BSU booth, the university showcased its renewable energy-powered charging station, operating with solar and wind energy and supporting CCS2 and GBT standards. In the future, it will also enable charging for electric bicycles and scooters used by students. This year, Baku Energy Week is hosting 267 companies from 39 countries.

For more information, please click here

EcoDay-2025 competition at BSU dedicated to World Environment Day

Baku State University (BSU) hosted “EcoDay-2025”, a competition-exhibition organized by the Bioteam club of the Faculty of Biology to mark World Environment Day on June 5. The event showcased over 20 student projects made primarily from recyclable materials, many using natural dyes, emphasizing ecological awareness and sustainable practices. Winners included Zeynab Abdullayeva (“Pacific Ocean, Silent Storm”), Kenan Huseynzada (“The Revived Battery”), and a team from the Faculty of Physics (“Spectrometer”). Speakers highlighted the UN Sustainable Development Goal 12: Responsible Consumption and Production, stressing the role of both producers and consumers in addressing food waste, plastic pollution, and unsustainable habits. The event encouraged students to combine creativity with environmental responsibility, fostering a green and sustainable future.

For more information, please click here

BSU is represented with its own stand at the Global SDG

Baku State University (BSU) participated in the Global Sustainable Development Congress (GSDC), held June 16–19, 2025, in Istanbul, Türkiye, with its own stand in the Azerbaijan Pavilion. The event, organized by Times Higher Education (THE) and the Turkish Council of Higher Education (YÖK), brings together leading universities, research centers, and organizations to discuss activities related to the UN Sustainable Development Goals (SDGs) and promote international cooperation. At the BSU stand, visitors learned about the university’s sustainable development initiatives, green campus projects, climate adaptation efforts, internationalization strategy, and research aligned with SDGs. Interactive discussions facilitated knowledge exchange, fostered new partnerships, and enhanced BSU’s global recognition while showcasing Azerbaijan’s higher education sector internationally.

For more information, please click here

BSU and KOBIA open EcoEnergy Station on Campus

An EcoEnergy Station powered by renewable energy sources has been inaugurated at Baku State University (BSU) in partnership with the Small and Medium Business Development Agency (KOBIA). The station uses solar and wind energy to provide clean charging for electric vehicles.

Rector Elchin Babayev highlighted green energy and green economy as national priorities. The “Clean-Charge” AC station was among the winners of KOBIA’s 5th grant competition, receiving nearly 20,000 AZN in funding. Chairman Orkhan Mammadov emphasized support for innovation-driven projects.

With a total capacity of 22 kWh, the station aims to reduce carbon emissions, contribute to the UN Sustainable Development Goals, and be integrated into the academic curriculum. The event concluded with a live demonstration of an electric vehicle charging at the new station.

For more information, please click here

Scientific seminar at BSU: Carbon credit market and potential opportunities

The scientific seminar titled “Carbon Credit Market and Potential Opportunities” was organized by the Nano-Research Scientific Laboratory operating under Baku State University. Presentations were delivered by laboratory researchers Orkhan Gulahmadov and Kim Jiseok.

Orkhan Gulahmadov described climate change and the energy crisis as two of the most serious global challenges of our time, explaining the negative impacts of increasing carbon dioxide (CO_2) emissions on ecosystems, human health, and economic systems. He also provided information about international initiatives and mechanisms implemented to address these issues.

Kim Jiseok explained the essence and functioning principles of the carbon credit market, as well as the economic value of credits granted in exchange for reducing emissions. He outlined the fundamental principles of the carbon credit system and referred to the experiences of the European Union, Japan, Canada, and South Korea.

During the seminar, it was emphasized that following COP29, held in Baku in 2024, the regulation of carbon emissions and the implementation of a carbon taxation system have become key priorities on Azerbaijan's national agenda. It was noted that strengthening cooperation between government institutions, the private sector, and academic and research institutions is essential for the development of a national carbon credit market. The seminar concluded with a Q&A session.

For more information, please click here

BSU student wins the "Azad Mirzajanzade Development Program" of RİİB

Saida Rahimli, a fourth-year student at the Faculty of Ecology and Soil Science of Baku State University (BSU), won the "Azad Mirzajanzade Development Program" organized by the Regional Development Public Union (RİİB) with her project "CMC-Vessel." Out of over 100 applicants nationwide, 10 projects were selected for financial support. The "CMC-Vessel" project aims to clean oil-based pollutants and plastic waste from the Caspian Sea using chemical methods and artificial intelligence, with development taking place at BSU's Student Scientific and Technical Creativity Center. The program, launched in September 2023, has supported numerous successful projects in social, environmental, educational, and innovative fields.

For more information, please click here

Opening ceremony of the UN Local Conference of Youth on Climate Change – "LCOY Azerbaijan 2025" held at BSU

The opening ceremony of "LCOY Azerbaijan 2025," the United Nations Local Conference of Youth on Climate Change, was held at Baku State University, organized by the "EkoSfera" Ecological-Social Center in partnership with SEA BREEZE Resort and with media support from CBC – Caspian International Broadcasting Company.

The conference gathered more than 150 young climate leaders, government representatives, and international organizations. Speakers emphasized the key role of youth in combating climate change. The event is part of the YOUNGO platform and aims to contribute to the upcoming COP30.

Panel discussions covered topics such as climate leadership, digital platforms, AI in environmental monitoring, and sustainable agriculture. The second day will continue at "SEA BREEZE Resort," where the Azerbaijan Youth Climate Declaration will be adopted.

For more information, please click here

National Youth Climate Statement of Azerbaijan adopted at the UN Local Conference of Youth on Climate Change

The second day of “LCOY Azerbaijan 2025,” organized by the “EkoSfera” Ecological-Social Center in partnership with Baku State University and SEA BREEZE Resort, with media support from CBC – Caspian International Broadcasting Company, was successfully held.

In his speech, Mukhtar Babayev described Azerbaijan’s hosting of COP29 as a historic milestone and emphasized the importance of active youth participation in climate processes. Other officials also highlighted the key role of young people in building a sustainable future.

Panel discussions covered sustainable infrastructure, circular economy, biodiversity, ESG principles, green jobs, and water security. At the end of the event, the draft National Youth Statement on Climate was adopted, which will contribute to the Global Youth Statement to be presented at COP30.

For more information, please click here

BSU Volunteers participate in “Protect the Caspian 2025” International Coastal Cleanup

Members of the “BSU Volunteers” organization took part in the annual “Protect the Caspian” International Coastal Cleanup, organized by the Public Association of Azerbaijan Graduates Educated in the USA. This global initiative, observed in over 100 countries for the past 30 years, is the largest volunteer movement dedicated to cleaning coastlines. Azerbaijan has actively joined the “Protect the Caspian” campaign for over 15 years, with the event growing in scale each year.

For more information, please click here

BSU participates in “Sustainability Exhibition: Art and Innovation for the Planet”

Baku State University (BSU) participated in the “Sustainability Exhibition: Art and Innovation for the Planet” during Baku Climate Action Week with two innovative projects: “Irrigo: Sustainable Agricultural Ecosystem” and “Hydroponics.” The “Irrigo” project, led by Reyhan Mirsultanova at BSU’s Student Scientific-Technical Creativity Center, develops a next-generation agricultural model that treats wastewater and recycles it for irrigation, conserving water and supporting sustainable farming. The “Hydroponics”

project, by Gumru Huseynova and Elvira Tahmazli at BSU's Research, Development and Innovation Excellence Center, promotes soilless cultivation for SMEs to enhance resource efficiency and green economy practices. "Irrigo" was selected among the top six projects and received a certificate of recognition for its creativity and contribution to sustainable development.

BSU students visit IDEA Animal Care Center

Students and staff from the Faculty of Ecology and Soil Science at Baku State University (BSU), organized by BSU Volunteers, visited the IDEA Animal Care Center. During the visit, participants learned about the Center's history, mission, and activities. Established in October 2014 by Leyla Aliyeva, Vice-President of the Heydar Aliyev Foundation and founder of the IDEA Public Union, the Center officially opened on November 10, 2016, and has operated since March 1, 2017. Students toured its modern facilities, including a veterinary clinic, shelters for dogs and cats, quarantine units, adoption area, pet hotel and grooming salon, playgrounds, dormitory, conference hall, café, and shop.

For more information, please click here

BSU hosts “Youth Dialogue of the Future” event dedicated to the 80th Anniversary of the United Nations

A “Youth Dialogue of the Future” event marking the 80th anniversary of the United Nations (UN) was held at Baku State University (BSU), highlighting the university’s role in promoting international cooperation, sustainable development, and the UN Sustainable Development Goals (SDGs). BSU Rector Elchin Babayev emphasized Azerbaijan’s long-standing UN collaboration and BSU’s commitment to integrating SDGs into education, research, and public engagement. The event showcased student participation in Model UN, youth forums, and climate-related initiatives, including COP29 projects. BSU’s global recognition was noted, including advancement in the Times Higher Education 2025 and QS Sustainability 2025 rankings, reflecting achievements in climate action, green campus projects, and social inclusion. Vladanka Andreeva, UN Resident Coordinator in Azerbaijan, and officials including Huseyn Huseynov highlighted youth’s role in implementing SDGs. A panel discussion on “Green Transition, Education, and Health for a Sustainable Future” underscored the need for youth-led climate solutions and the “One Health” approach. The event concluded with interactive discussions with students.

AYNA holds info session on Sustainable Urban Mobility at BSU

An informational session on “Sustainable Urban Mobility: Ongoing and Planned Initiatives in Baku” was held at Baku State University (BSU), organized by the Azerbaijan Urban Transport Agency (AYNA).

Ramin Samedov, Head of the Department of Humanitarian Affairs and Youth Policy at BSU, highlighted the significance of educational events like this and underscored the university’s engagement in social projects supporting sustainable urban development.

Elmira Abbasova, Head of Internal Communication and Event Management at AYNA, presented on the development of micromobility infrastructure in Baku. She explained that these initiatives aim to enhance urban mobility, reduce traffic congestion in city centers,

and improve environmental conditions. Currently, micromobility lanes have been established on 31 streets and avenues, with plans to expand the network to 100 km.
The session included an interactive discussion with students, allowing them to provide input and ask questions about the city's micromobility system and future improvements.
The event concluded with a bicycle tour on the BSU campus, giving students practical exposure to sustainable urban mobility concepts.

"Waste-for-Gifts" festival held at BSU

A new edition of the "Waste-for-Gifts" festival was held at Baku State University (BSU) with support from the Ministry of Ecology and Natural Resources, the "Araz" supermarket chain, "Azərsun Holding", the "Təkan" and "EcoHub" public unions, and "Yağmur-2" LLC. The festival aimed to raise public awareness about proper waste management, sorting, and recycling, while encouraging active youth participation in environmental initiatives.
The event attracted significant interest from students, young people, and the wider community. Participants collected 3,410 liters of plastic waste, 685 liters of glass waste, and 1,481 used batteries, receiving various gifts in return. The program also featured interactive educational activities to promote environmental awareness.
This initiative highlights the importance of fostering environmental culture, increasing civic responsibility, and promoting proper waste management practices.

Completion of the 3rd EMIDWORLD international conference on economics, public finance, business and social sciences at BSU

The 3rd EMIDWORLD International Conference on Economics, Public Finance, Business, and Social Sciences, jointly organized by Baku State University (BSU) and Kilis 7 Aralık University (Turkey), has successfully concluded.

At the closing ceremony, it was highlighted that the participation of scholars and researchers from 33 countries, along with representatives of government institutions and business organizations, made the conference a significant platform for scientific dialogue at both regional and global levels.

The event emphasized future plans to expand cooperation between BSU and Kilis 7 Aralık University, including joint empirical research, collaborative publications, and greater involvement of young researchers in these activities. Based on conference discussions, several recommendation-based conclusions were drawn regarding sustainable economic development, transparent public finance management, green transition, social equality, and innovative governance models.
During the ceremony, certificates were awarded to speakers and session moderators. Participants noted that the conference strengthens the strategic alliance between Turkey and Azerbaijan in science and education, opening new avenues for scientific collaboration.

For more information, please click here

Roundtable at BSU: "Constitution and natural resources from a scientific-legal perspective"

A roundtable titled "Constitution and Natural Resources: A Scientific-Legal Perspective" was held at Baku State University (BSU) as part of the "Year of the Constitution and Sovereignty." The event was jointly organized by the Student Trade Union Committees of the Faculties of Geology and Law.
During the roundtable, law student Roza Khalilova discussed the essence of the Constitution of Azerbaijan and its fundamental principles, highlighting core values such as state sovereignty, territorial integrity, state property, and the protection of human rights. She also explained provisions concerning the protection of natural resources found in the Constitution and other legislative acts.
Geology student Saima Annagiyeva presented on "The Role of Oil and Geology in the Dimensions of Science and Law," focusing on the significance of geological research, scientific methods for exploring oil reserves, and the legal aspects of natural resource management. She stressed that proper protection and management of natural resources are vital from both scientific and legislative perspectives.

The session included discussions on the Constitution's impact on geological policy, state control over natural resources, and the advancement of scientific research. The roundtable concluded with an interactive exchange of views and dialogue among participants.

For more information, please click here

Scientific seminar on the ecological problems caused by the mining industry

At the Faculty of Geography of Baku State University (BSU), a scientific seminar was held on "Investigation of Ecological Problems Caused by the Mining Industry in the Dashkasan District Using GIS Technology."

The seminar opened with remarks from Professor Maqsad Qocamanov, Dean of the Faculty of Geography, who emphasized the importance of sustainable natural resource use, ecological safety, and sustainable development, underlining the need for research in this field. He highlighted the contributions of Ilhamə Qaribova, a faculty member of the Department of Geodesy and Cartography, noting her extensive research applying Geographic Information Systems (GIS) to study ecological impacts of the mining industry.

Ilhamə Qaribova presented detailed findings on the development stages of the mining industry in Dashkasan, including major exploited deposits and operational mining areas, and their environmental impacts such as soil degradation, forest transformation, and surface and groundwater pollution. Her research utilized aerospace imagery, topographic maps, and field observations to construct a spatial GIS database, map anthropogenic impact zones, and classify areas according to ecological risk levels. She also provided recommendations addressing the socio-economic consequences of mining-induced ecological problems, effects on residential areas and infrastructure, and the use of GIS technology for rehabilitation and reclamation measures.

During the seminar, faculty members including Professors Chingiz Ismayilov and Aydin Ibrahimov, Doctor of Geography Mehman Mehbaliev, and Associate Professors Ramiz Əhlimanov, Əfqan Talibov, İradə Əliyeva, Ələkbər Həsənəliyev, and Ülviyyə İsmayılova praised the innovative methodological approach, underlined the relevance of the topic, and recommended further scientific studies in this area.

For more information, please click here

BSU becomes the South Caucasus leader in "UI GreenMetric 2025" Ranking

Baku State University has become the leader in the South Caucasus according to the UI GreenMetric World University Ranking 2025. The university ranked 493rd among 1,745 universities from 105 countries, improving by 114 positions compared to last year, and secured the top position among 19 Azerbaijani higher education institutions included in the ranking.

The ranking evaluates universities based on ecological sustainability criteria, including campus environmental impact, energy policies, water management, digitalization, sustainable transportation, integration of environmental topics into education, and research output on sustainability.

This achievement highlights BSU's environmental initiatives and commitment to sustainable development, further strengthening its international standing.

For more information, please click here

BSU young researchers' projects reach the final of the "Earth Observation" competition

Young researchers from Baku State University (BSU) have advanced to the final stage of the "Earth Observation" competition organized by the Azerbaijan Space Agency (Azercosmos).

Tahir Yunuslu, a dissertation researcher at the Department of Geographical Ecology, and Ramil Hasanov, a doctoral candidate at the Department of Bioecology, reached the final with their respective projects.

- Tahir Yunuslu's project, titled "Development of a Geographic Information System for the Landscape Complex of the Mud Volcanoes Group State Nature Reserve," involved comprehensive studies across approximately 500 km², covering 10 of the 43 volcanoes in the reserve. His research utilized Azersky/Spot 6–7, Sentinel-2, Landsat-8 satellite imagery, Google Earth images, and SRTM GL1 DEM data. Analyses included terrain characteristics, slope, soil and vegetation cover, landscape dynamics, and fauna diversity. The results were visualized in a GIS environment through thematic maps, digital models, and graphical materials. Additionally, a structured database and prototype website reflecting the natural characteristics of the reserve were developed. Future plans include expanding the database and creating a fully integrated platform covering all 43 volcanoes.
- Ramil Hasanov's research focused on the impacts of the Caspian Sea water level decline on the biodiversity of Gizilaghaj National Park. Using Azersky/Spot 6–7 satellite images, Google Earth, and DEM datasets, combined with field studies, the research assessed changes in vegetation cover, monitored resident bird and mammal species, and evaluated biodiversity dynamics along the coastal zone.

The "Earth Observation" competition, held for the ninth time in 2025 under the theme "The Map of the Future," received 293 applications with 74 project submissions, of which 50 projects advanced to the final stage. This year's edition marked the 5th anniversary of the Victory in the Patriotic War and emphasized topics such as development in the Karabakh region, predictive modeling using AI, innovative cartographic design, and climate change impact analysis, prioritizing projects led by young researchers.

The competition promotes the use of satellite imagery, particularly Azersky archival data, supports the development of geographic information systems, and encourages innovative research in space-based environmental monitoring.

For more information, please click here

PhD students of the faculty of Geography present at NASCO XXVIII Conference

PhD students from the Faculty of Geography at Baku State University (BSU) presented their research at the 28th Republican Scientific Conference of Doctoral Students and Young Researchers (NASCO XXVIII), held in honor of the "Year of Constitution and Sovereignty."

The BSU doctoral candidates delivered presentations across diverse geographic, socio-economic, and environmental topics:

- Sayali Jalilova – *"Development Trends and Influencing Factors of Creative Tourism in the International Tourism Market"*
- Vusala Akbarli – *"Development Features of the Transport Structure in the Absheron-Khizi Economic Region"*
- Imran Bayramov – *"Geographical Assessment of Demographic Trends and Settlement Patterns in the East Zangezur Economic Region"*
- Aygul Mikayilova – *"Impact of Migration and Unemployment on the Socio-Demographic Development of Urban Population in the Central Aran Economic Region"*
- Tamerlan Mehdiyev – *"Investigation of Continentality and Aridity Changes in Azerbaijan in the Context of Climate Change"*

- Nazrin Gasimova – *“Application of Geographic Information Systems for Flood Risk Assessment and Forecasting”*
- Nargiz Majidova – *“Agricultural Development and Employment Efficiency Enhancement in the Gazakh-Tovuz Economic Region”*
- Nurlan Azizli – *“Morphometric Analysis of the Southeastern Slopes of the Greater Caucasus Using GIS”*
- Narmin Hasanli – *“The Role of Teachers in Applying Learning Models”*

The doctoral students’ presentations received high praise from conference participants, who actively engaged with questions and discussions. Each presenter was awarded a certificate of recognition for their contribution.

The conference, organized by the Ministry of Science and Education of the Republic of Azerbaijan, took place on 16–17 December at the Azerbaijan State University of Oil and Industry, with nine PhD students from BSU’s Faculty of Geography contributing through their research presentations.

For more information, please click here

Conclusion

The initiatives at Baku State University illustrate the institution's leadership in promoting sustainability, climate awareness, and social responsibility both locally and internationally. By integrating advanced scientific research, technological innovation, and environmental management into its curriculum and community programs, BSU provides students with opportunities to engage with real-world challenges, such as climate change, renewable energy adoption, and sustainable agriculture. The university's dedication to fostering international cooperation, exemplified through participation in networks like CANIE and ISCN, further strengthens its position as a model for higher education institutions seeking to align with the UN SDGs.

Moreover, BSU's approach emphasizes the importance of youth engagement, volunteerism, and community-based actions in achieving sustainable development. Through structured volunteer programs, field projects, and awareness campaigns, students gain hands-on experience while contributing to national and global sustainability efforts. The university's ongoing projects, from EcoEnergy Stations and smart irrigation systems to climate education and biodiversity protection, underscore a practical and forward-looking strategy that connects academic excellence with societal impact. In summary, BSU's comprehensive efforts illustrate how higher education can effectively integrate sustainability into its core mission, empowering students and faculty to become agents of positive environmental and social change.

SDG Focused Memberships

aashe member
The Association for the Advancement of Sustainability in Higher Education

WAITRO

CANIE
climate action network

ISCN
International Sustainable Campus Network

GUNI
GLOBAL UNIVERSITY NETWORK FOR INNOVATION

SDG FOCUSED RANKING RESULTS

Rated for Excellence

Baku State University

Through rigorous and independent data collection and analysis of performance metrics as set out in the QS Stars™ methodology Baku State University has been awarded 5 Stars.

TEACHING	FACILITIES
EMPLOYABILITY	GOOD GOVERNANCE
ENVIRONMENTAL IMPACT	ACADEMIC DEVELOPMENT
GLOBAL ENGAGEMENT	CHEMISTRY
DIVERSITY, EQUITY & INCLUSION	

QS Stars

The QS Stars™ rating system evaluates universities across a wide spectrum of important performance indicators as set against pre-established international standards. By assessing a broader scope of criteria than any world ranking exercise, QS Stars™ illuminates the unique strengths and diversity of the rated institution with both precision and clarity.

Leigh Kamolins, Head of Evaluation

UI GreenMetric
UNIVERSITAS INDONESIA
UI GreenMetric World University Rankings 2025
CERTIFICATE
This certificate is awarded to
Baku State University
as The 493rd World's Most Sustainable University
in 2025 UI GreenMetric World University Rankings
5 December 2025
Dr. Vishnu Juwono, S.E., MIA
Chairperson of UI GreenMetric

QS WORLD UNIVERSITY RANKINGS

SUSTAINABILITY RANKINGS 2025

Baku State University

941-950

in overall performance

December 2024

Date

Ben Sowter
Senior Vice-President
QS Quacquarelli Symonds

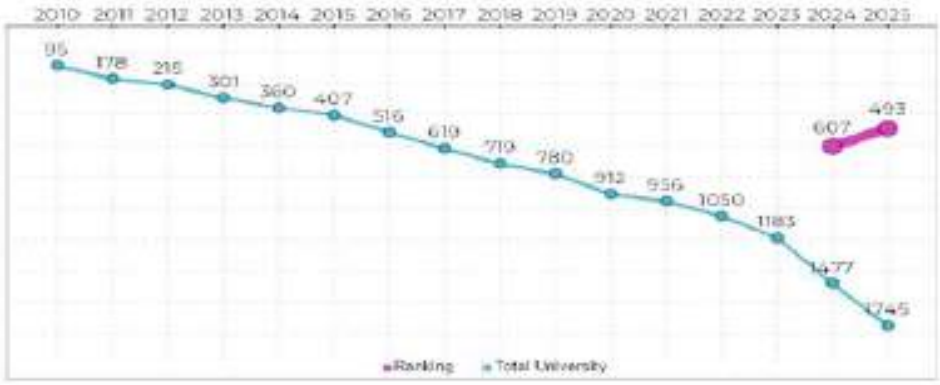
4. RANKING IN AZERBAIJAN

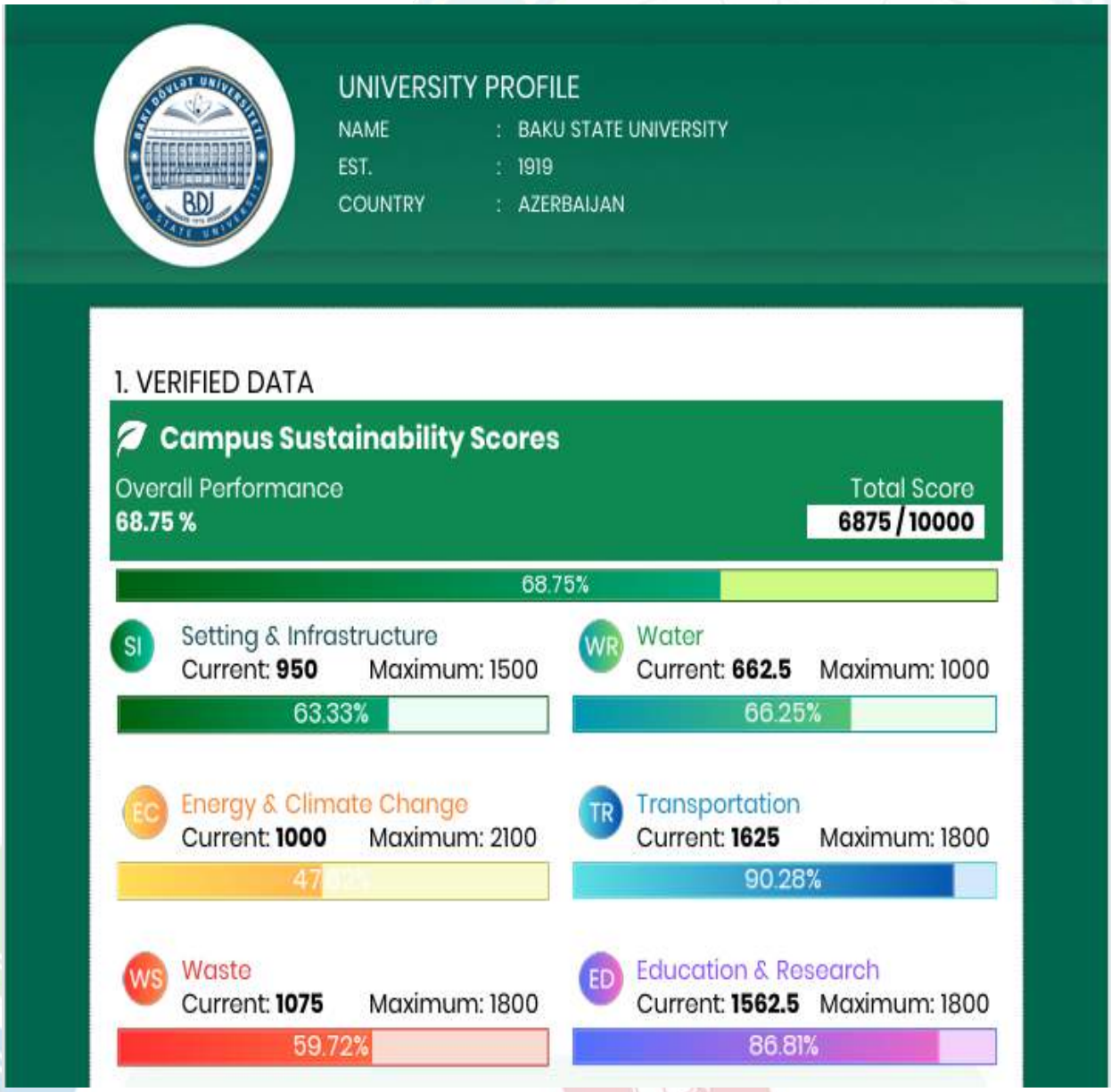
Country Ranking	SI Ranking	EC Ranking	WS Ranking	WR Ranking	TR Ranking	ED Ranking
1	2	11	3	5	1	2

2. RESULTS SUMMARY

World Ranking	SI Ranking	EC Ranking	WS Ranking	WR Ranking	TR Ranking	ED Ranking
493	660	1102	654	607	98	239

3. WORLD RANKINGS HISTORY




UNIVERSITY PROFILE
NAME : BAKU STATE UNIVERSITY
EST. : 1919
COUNTRY : AZERBAIJAN
1. VERIFIED DATA
Campus Sustainability Scores
Overall Performance
68.75 %
Total Score
6875 / 10000
68.75%
SI
Setting & Infrastructure
Current: 950 Maximum: 1500
63.33%
WR
Water
Current: 662.5 Maximum: 1000
66.25%
EC
Energy & Climate Change
Current: 1000 Maximum: 2100
TR
Transportation
Current: 1625 Maximum: 1800
90.28%
WS
Waste
Current: 1075 Maximum: 1800
59.72%
ED
Education & Research
Current: 1562.5 Maximum: 1800
86.81%

THE IMPACT RANKINGS

13 CLIMATE ACTION

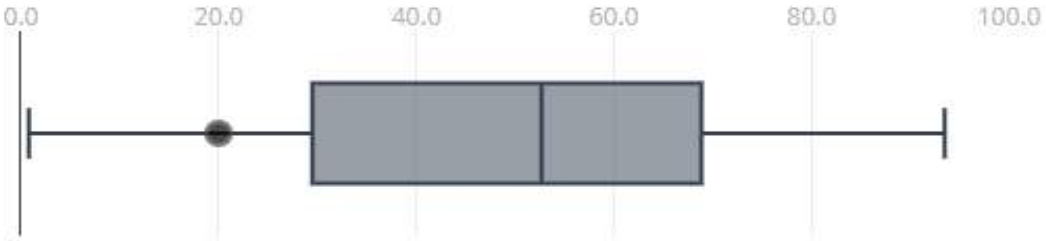
SCORE
41.0

RANK
401–600 out of **1089** institutions

SCORE
20.0

Research on climate action

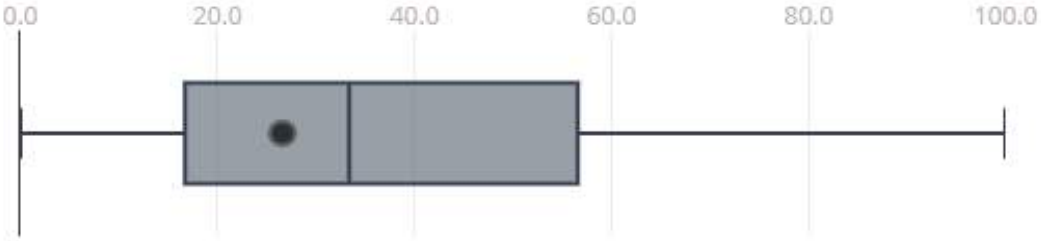
27% OF THIS SDG



SCORE
26.6

Low carbon energy use

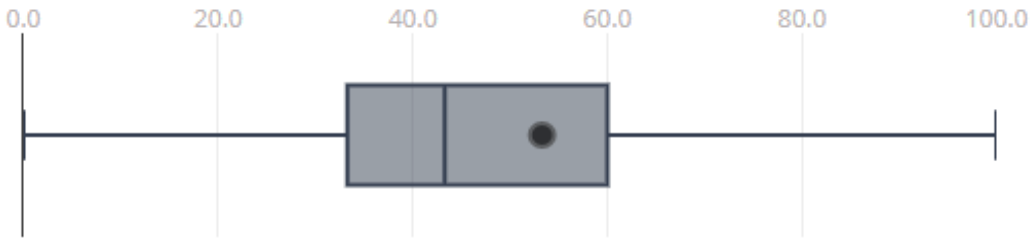
27% OF THIS SDG



SCORE

53.3 **Environmental education measures**

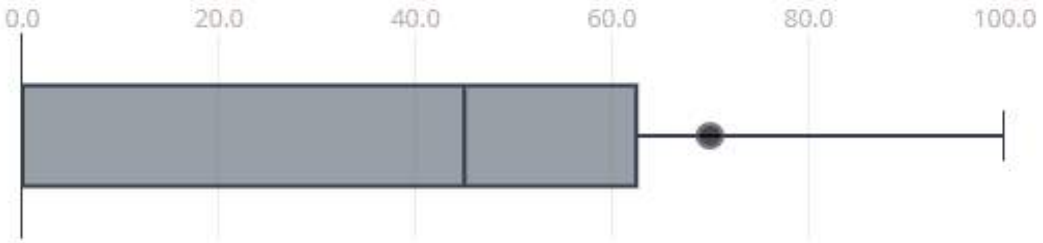
23% OF THIS SDG



SCORE

70.0 **Commitment to carbon neutral university**

23% OF THIS SDG



SDG FOCUSED RESEARCH

Introduction:

Baku State University (BSU) has placed climate action at the core of its sustainability and research agenda, aligning with Sustainable Development Goal 13 (SDG 13) – *Take urgent action to combat climate change and its impacts*. Recognizing Azerbaijan's vulnerability to rising temperatures, increasing aridity, and land degradation, BSU researchers are actively contributing to global and national efforts to mitigate climate risks and build resilience.

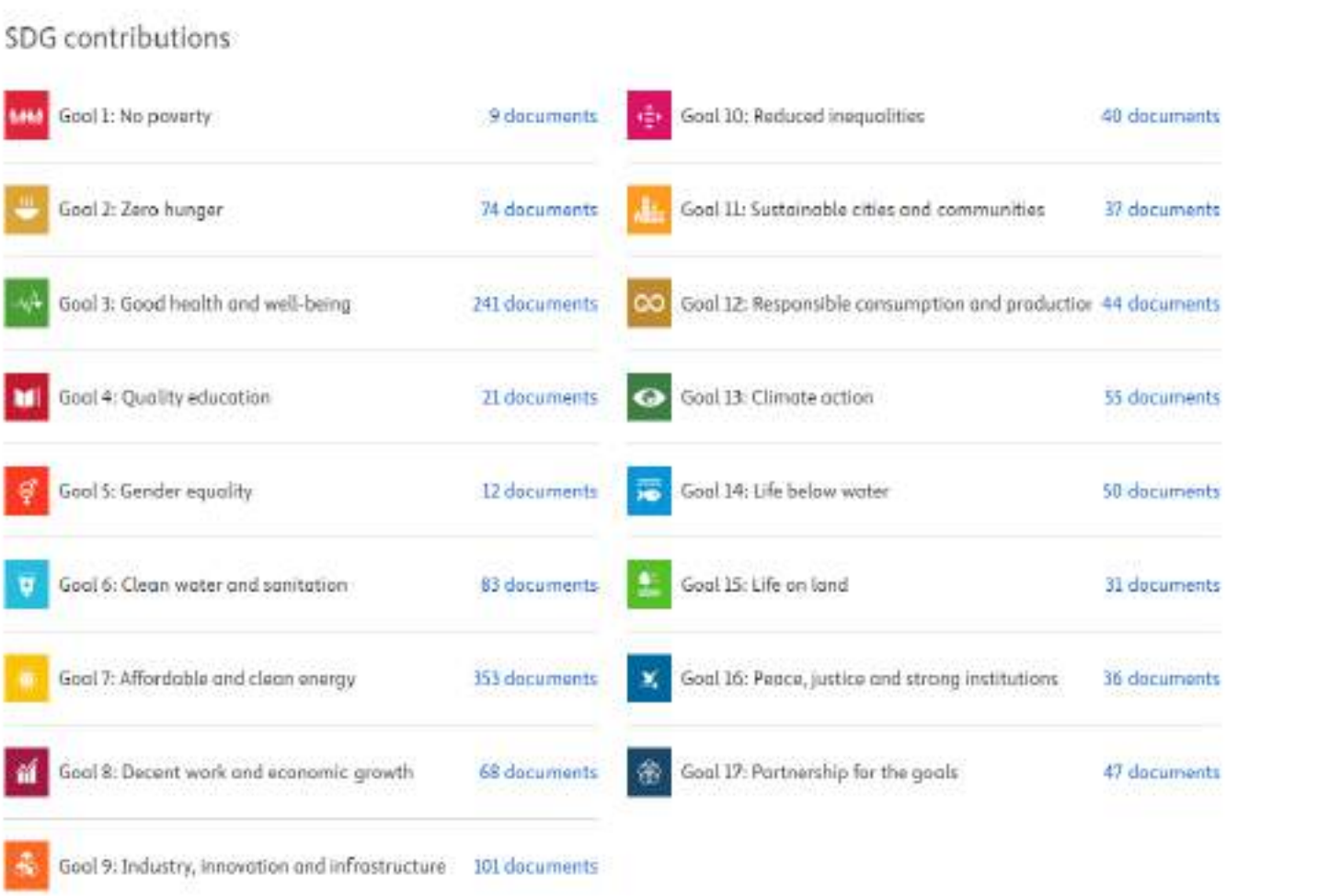
Research at BSU covers diverse dimensions of climate change science, from renewable energy innovations and CO_2 conversion technologies to climate-smart agriculture, water resource management, and climate-resilient infrastructure. Recent studies have examined the role of solar collectors in Azerbaijan's energy transition, the potential of solar-hydrogen systems for reducing fossil fuel dependency, and the application of GIS and remote sensing tools for climate monitoring. Other projects explore eco-friendly agricultural practices, such as biochar-based seed coatings, and the development of smart infrastructure solutions that align with COP-29 goals.

A central theme in BSU's climate-related research is the integration of scientific knowledge with practical solutions for policy and industry. By investigating CO_2 utilization methods, advancing photocatalytic technologies, and studying ecosystem resilience, BSU provides evidence-based insights that can support Azerbaijan's commitments and the country's upcoming role in hosting COP-29.

Through collaborative projects with international universities, governmental agencies, and NGOs, BSU is fostering innovation in climate adaptation and mitigation strategies. The university's research not only contributes to scientific advancement but also strengthens Azerbaijan's capacity to address pressing environmental challenges, ensuring that climate action is integrated into sustainable development pathways.

For all SDGs related articles please visit:

https://www.scopus.com/pages/organization/60071969#tab=sdgs



1. Authors: Garazade I.M., Gupta R.K., Singh K.N., Kuznetsov M.L., Mohan B.
Focus: Catalytic CO_2 conversion through cycloaddition to epoxides for cyclic carbonates.
Methods: Review of metal-coordinated complexes (Schiff base ligands, 2D complexes, MOFs) and mechanistic insights.
Findings: Lewis acidic sites enhance catalytic activity; challenges remain with selectivity and scalability.
Recommendation: These catalysts show promise for sustainable industrial CO_2 utilization.
 Full text

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2. Authors: Tayyar A.E., Gasim N., Biçen Ö.F., Mukhtarov S.
Focus: Effects of climatic factors on Türkiye's agricultural GDP share (1970–2022).

Methods: Econometric methods (BMA for variable selection, A-ARDL for long-term analysis).
Findings: Minimum average temperature positively affects agriculture; CO_2 emissions, ground temperature, and cultivated area negatively impact it.
Recommendation: Türkiye needs tailored climate-smart agricultural policies.
 Full text

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3. Authors: Salmanova F.A., Salamov O.M., Mustafayeva R.M., Mahmudova T.A., Nurubeyli T.K., +3 authors
Focus: Thermal efficiency of solar water heating collectors in Azerbaijan's Absheron Peninsula.
Methods: Two-dimensional heat transfer modeling and numerical simulation (spline method, Turbo Pascal).
Findings: The computational model accurately predicts thermal behavior of solar collectors.
Recommendation: Solar collectors offer a viable renewable energy alternative for Azerbaijan.
 Full text

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4. Authors: Tagiyeva S.F., Osmanova S.N., Rustamova A.I., Pashayeva F.K., Muradkhanov R.M., +2 authors
Focus: Continuous-flow process for CO_2 conversion to methanol at atmospheric pressure.
Methods: Co–Pd/Siral catalyst with two-stage reaction (hydrogenation + partial oxidation).
Findings: Pd addition enhances methanol yield via Pd–PdO redox cycle; synergistic role of Co and Pd.
Recommendation: Process shows potential for selective CO_2-to-methanol conversion.
 Full text

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5. Authors: Teymurova V.E., Abdullayeva S., Muradova K., Aslanova M.M., Bayramli M.
Focus: Environmental challenges in Azerbaijan and their economic/trade impacts.
Methods: Indicators such as atmospheric emissions and HDI analyzed.
Findings: Air pollution, land degradation, and climate change cause economic losses; human capital is key to solutions.
Recommendation: Strengthen vocational education, innovation, and clean technologies to drive sustainability.
 Full text

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6. Authors: Mukhametov A.E., Moreva E.L., Bayramli M., Smirnov A.V., Egorov I.
Focus: Diversification strategy for Arabian Peninsula economies.

Methods: Economic structure and oil price trend analysis (1970–2023).
Findings: Reliance on oil is unsustainable; diversification into digital, renewable, and tourism sectors is essential.
Recommendation: SMART diversification strategies ensure macroeconomic and political stability.
 Full text

7. Authors: Najafov B.A., Nasirov S.N.
Focus: Solar-hydrogen energy and thin-film solar cells for renewable applications.
Methods: Plasma deposition of thin films ($a-Si_{1-x}C_x:H$, a−C:H, nc-C:H) in bilayer p-i-n structures.
Findings: nc-C:H-based cells achieved highest stability and 9.6% peak efficiency; irradiation improved film quality during but not after production.
Recommendation: Solar-hydrogen systems are promising for reducing fossil fuel dependence and enhancing energy sustainability.
 Full text

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8. Authors: Orujova T.Y., Gurbanova U.A.
Focus: Biochemical diversity of the Chenopodiaceae family and adaptation to harsh environments.
Methods: Analysis of C4 photosynthesis regulation and biochemical adaptability in arid/saline conditions.
Findings: Enhanced water-use efficiency supports plant survival in extreme conditions.
Recommendation: Insights can inform biotechnology to improve crop resilience under climate change.
 Full text

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9. Authors: Mustafayeva G.A., Mammadova S.Y., Balajayeva T.P.
Focus: Climate-resilient infrastructure aligned with COP-29 goals.
Methods: Mixed-methods study analyzing economic, health, and investor impacts.
Findings: Sustainable infrastructure improves cost efficiency, public health, and investor confidence.
Recommendation: Climate considerations must be integrated into infrastructure planning for resilience and competitiveness.
 Full text

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10. Authors: Huseynova G., Valiyeva A., Tahmezli E., Surkhayli S., Tahmezli M.
Focus: Water quality and climate impact monitoring in Azerbaijan's Guba-Khachmaz region.
Methods: Multivariate analysis + GIS + Google Earth Engine integration.
Findings: Improved climate forecasting in arid zones; GIS enhances water resource management.
Recommendation: Wider adoption of GIS-based monitoring can support sustainable

water management under climate change.
 Full text

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11. Authors: Najafov B.A., Nasirov S.N., Neymetov S.R.
Focus: Advances in solar-hydrogen technologies for green hydrogen production.
Methods: Photoelectrochemical systems, photocatalytic splitting, pilot plants, and bioinspired hydrogels.
Findings: Deposition techniques affect thin-film hydrogenated structures, improving efficiency and stability.
Recommendation: Scaling up these innovations can accelerate fossil fuel reduction and emission cuts.
 Full text

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12. Authors: Samadova U.F., Aligayev A.K., Ismail P.M., Xia P., Qiao L.
Focus: Perovskite $ZnMoFeO_3$ nanosheets as photocatalysts for CO_2 reduction.
Methods: Visible-light photocatalysis with narrow bandgap material.
Findings: Achieved stable CO_2 conversion into CO and CH_4 through formaldehyde/carbine pathways.
Recommendation: $ZnMoFeO_3$ nanosheets are a cost-effective candidate for sustainable CO_2 utilization.
 Full text

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13. Authors: Mustafazade T., Maharram M., Akhundzada H.V.N., Khankishiyeva R.F.
Focus: Eco-friendly wheat seed coatings using chitosan-biochar composites.
Methods: CS-BC composites tested at different ratios for germination and soil health.
Findings: CS-BC 4:1 improved germination rates (+30%) and soil organic carbon (+12%).
Recommendation: Sustainable seed coatings can reduce synthetic agrochemical use, though field trials are needed.
 Full text

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14. Authors: Amiraslanova M.S., Babazade R.A.H., Musabayli K.K.M.
Focus: Vegetation mapping with high-resolution remote sensing + AI.
Methods: UAV and satellite multispectral imaging, machine learning (ML) and deep learning (DL) classification.
Findings: Automated feature extraction/classification produced precise vegetation maps.
Recommendation: Integration of AI + remote sensing supports agriculture, biodiversity, and climate studies.
 Full text

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15. Authors: Azizkhanli S.A., Aliyeva S.B.
Focus: Environmental impact of capacitor films (PP, PC, PPS).

Methods: Life cycle assessment (LCA).
Findings: PPS had highest footprint, PC moderate, PP lowest (most sustainable).
Recommendation: Using PP films in capacitors reduces environmental and fossil fuel impact.
 Full text

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16. Authors: Khang A., Abdullayev V.H., Litvinova E.I., Gadirova E.M., Avramović Z.Ž.

Focus: IoT and bioelectronics for sustainable waste treatment.
Methods: Review and practical applications of smart waste treatment technologies.
Findings: IoT-enabled bioelectronics can improve efficiency and sustainability in waste management.
Recommendation: Adoption of green digital technologies is essential for future sustainable waste solutions.
 Full text

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17. Authors: Mejidov A.A., Guliyeva E.A.A., Fatullayeva P.A., Yalçın B., Özdemir M., +1 author

Focus: Synthesis and properties of mixed-metal polymeric complex [CoxMn1-x(maleate)(H2O)2]n.
Methods: X-ray, spectroscopy, EPR, and voltammetry for structural and redox analysis.
Findings: Maleate acted as bidentate ligand; Mn and Co centers displayed distinct redox behaviors.
Recommendation: Mixed-metal complexes show potential in materials science and catalysis applications.
 Full text

Baku State University

2025 REPORT ON

2025

Introduction

This report outlines Baku State University's (BSU) comprehensive commitment to Sustainable Development Goal 14 (SDG 14)- "Life Below Water." The university has taken significant steps to support and educate local and national communities about the conservation and sustainable utilization of aquatic ecosystems and resources. In the realm of education BSU offers a range of educational programs, including courses on freshwater ecosystems, aquatic plants, and freshwater aquaculture. These courses empower students and the community to understand water management, conservation, and aquaculture practices. Additionally, the university conducts outreach activities to raise awareness about overfishing, illegal fishing, and harmful fishing practices.

BSU is actively engaged in practical actions aimed at promoting the conservation and sustainable use of aquatic ecosystems. This includes organizing events to study and assess the ecological state of lakes and adjacent areas, with a focus on responsible water management. The university offers courses and research methods to maintain and extend biodiversity, with a special emphasis on ecosystems under threat. Furthermore, BSU collaborates with industries to research technologies and practices that minimize damage to aquatic ecosystems.

The report also highlights BSU's efforts in water-sensitive waste disposal, where a water cleaning robot project addresses water quality and pollution concerns. The university has also established water quality standards and guidelines for water discharges to protect ecosystems and human health.

For previous year's report please see:

https://sdg.bsu.edu.az/report-on-sdg-14-life-below-water

Logo of the "Sustainable Harmony of Nature" club

In line with SDG 14, BSU has a policy to reduce plastic waste on campus, limiting plastic bottle use and promoting recycling. The institution has enacted policies to prevent and reduce marine pollution from land-based activities. To maintain local ecosystems, BSU has implemented initiatives such as the "Sustainable Harmony of Nature" club, focused on raising awareness and protecting aquatic and terrestrial ecosystems. The university conducts biomonitoring to assess the health of aquatic ecosystems. Moreover, BSU supports programs and incentives to encourage good aquatic stewardship practices and collaborates with the local community and relevant organizations.

BSU has demonstrated a strong commitment to promoting the conservation and sustainable use of aquatic ecosystems and resources, addressing the key aspects of SDG 14 through education, action, waste disposal, and ecosystem maintenance

Comparison to previous report SDG14

Baku State University (BSU) actively contributes to the achievement of SDG 14: Life Below Water, one of the United Nations Sustainable Development Goals, through a comprehensive range of educational, research, and community-oriented activities. The university demonstrates a strong institutional commitment to the conservation and sustainable use of aquatic ecosystems and resources, aiming to enhance both scientific knowledge and public awareness regarding the protection of water environments.

Within the framework of education, BSU offers various academic courses and programs related to freshwater ecosystems, aquatic plants, aquaculture, and water resource management. These programs provide students with both theoretical knowledge and practical skills in areas such as freshwater biodiversity, aquatic ecosystem monitoring, water quality management, and sustainable aquaculture practices. Through field studies, laboratory analyses, and production practices, students gain hands-on experience in studying aquatic organisms and assessing environmental conditions of water bodies.

Scientific research constitutes another significant component of BSU's contribution to SDG 14. University researchers conduct ecological studies on lakes and surrounding ecosystems, as well as biomonitoring of organic pollution in the Caspian Sea using biological indicators. These studies help evaluate the ecological status of aquatic environments and contribute to the development of sustainable water management strategies. In addition, collaborative international research projects have been initiated to investigate the genetic and morphological characteristics of Caspian sturgeon species, aiming to support biodiversity conservation and improve understanding of regional aquatic fauna.

BSU also cooperates with governmental institutions, industry partners, and international organizations to develop innovative solutions for water protection and sustainable resource management. Cooperation agreements with organizations such as “Azersu” Open Joint Stock Company and the Ministry of Ecology and Natural Resources have facilitated joint projects focused on the efficient use of water resources and the implementation of environmentally responsible technologies. Furthermore, scientific initiatives have explored the use of natural sorbents derived from food waste for removing heavy metals from wastewater, contributing to improved water treatment methods and pollution control.

In addition to research and education, the university actively promotes environmental awareness and community engagement. Outreach programs, public seminars, ecological campaigns, and field excursions are organized to inform students and local communities about sustainable fisheries, responsible water use, and the risks of overfishing and destructive fishing practices. The establishment of the “Sustainable Harmony of Nature” club further strengthens environmental consciousness among students and encourages active participation in ecosystem protection initiatives.

BSU has also implemented institutional policies aimed at reducing environmental impact on campus. Measures such as restricting the use of plastic bottles in university canteens and introducing recycling bins for plastic and paper waste demonstrate the university’s commitment to reducing pollution and promoting sustainable waste management practices. These efforts align with broader strategies to prevent land-based sources of marine pollution and protect aquatic ecosystems.

Moreover, students and academic staff participate in practical conservation activities, including biodiversity monitoring, ecological restoration initiatives, and environmental awareness campaigns. Educational visits to aquaculture facilities and field research in aquatic ecosystems provide opportunities for students to apply their academic knowledge in real-world contexts. Activities such as the release of sturgeon fingerlings into the Caspian Sea contribute directly to biodiversity restoration and the preservation of endangered aquatic species.

In conclusion, Baku State University adopts a multifaceted and interdisciplinary approach to supporting the objectives of SDG 14: Life Below Water. Through integrated efforts in education, scientific research, community engagement, environmental policy, and institutional partnerships, the university contributes to the conservation of aquatic ecosystems and the sustainable management of water resources at both national and regional levels.

University Activities on Aquatic Ecosystems and Community Engagement

1. Educational Programmes on Freshwater Ecosystems:

Our university offers educational programs and outreach initiatives focused on freshwater ecosystems. These include sustainable water irrigation practices, water management, and conservation strategies aimed at both local and national communities. Workshops, seminars, and practical training sessions are organized to build awareness and capacity in water stewardship. “Freshwater Futures” initiative – a 6-month community program where students and faculty train local farmers on efficient irrigation methods, rainwater harvesting, and water quality monitoring. Conducted in collaboration with local municipalities in the Ganja region, reaching over 300 participants annually.

2. Sustainable Fisheries, Aquaculture, and Tourism:

We provide educational programs for local communities on the sustainable management of fisheries, aquaculture, and tourism. These programs cover responsible resource use, eco-tourism practices, and the integration of conservation principles into local economic activities. “Sustainable Fish and Tourism Workshop” – a series of workshops for coastal communities in the Caspian Sea region. Topics include responsible aquaculture practices, ecosystem-friendly tourism, and reducing fish stock depletion. Over 150 local fishers and tourism operators participate each year.

3. Awareness on Overfishing and Destructive Fishing Practices:

The university conducts outreach activities to raise awareness about overfishing, illegal, unreported, and unregulated fishing (IUU fishing), and destructive fishing practices. Community campaigns, educational materials, and local workshops are employed to promote sustainable practices among fishers and stakeholders. “Know Your Fish” campaign – a public awareness campaign combining school programs, local media, and hands-on river visits to teach communities about illegal and destructive fishing methods. The program led to a 20% increase in reporting illegal fishing activities in pilot districts.

4. Promotion of Conservation and Sustainable Utilization of Aquatic Resources:

We organize and support events aimed at promoting the conservation and sustainable utilization of oceans, seas, lakes, rivers, and other aquatic resources. Activities include national awareness campaigns, eco-competitions, scientific exhibitions, and public lectures. Annual “Azerbaijan Water Week” – a multi-day

event with lectures, exhibitions, and interactive activities highlighting the importance of river, lake, and marine conservation. Engages university students, NGOs, and local authorities.

5. Research and Industry Engagement in Marine Protection:

Our university actively engages in research and collaboration with industry partners to develop technologies and practices that minimize or prevent damage to aquatic ecosystems. This includes innovation in waste management, pollution control, and sustainable aquaculture techniques. Collaborative project with a local aquaculture company to develop eco-friendly fish farming systems that reduce nutrient runoff into rivers. Research outcomes led to new guidelines adopted by regional fish farms.

6. Biodiversity Conservation and Ecosystem Maintenance:

We implement programs to maintain and extend ecosystems and biodiversity, focusing particularly on species and habitats under threat. Our activities include ecological restoration projects, biodiversity monitoring, and habitat rehabilitation efforts. “River Revive” project – restoration of sections of the Kura River, including planting native aquatic vegetation, monitoring fish populations, and removing invasive species. This program also provides hands-on student research opportunities.

7. Aquatic Stewardship Programs and Incentives:

The university develops and supports initiatives that encourage good aquatic stewardship practices among students, researchers, local communities, and industry partners. Incentive programs, recognition awards, and practical guides help reinforce sustainable practices. “Clean Waters Challenge” – an incentive-based program encouraging local schools and community groups to adopt and monitor nearby water bodies. Winners receive university-supported micro-grants to implement conservation projects.

8. Collaboration with Local Communities:

We actively collaborate with local communities through partnerships, joint research projects, and community-based conservation initiatives to maintain shared aquatic ecosystems. These partnerships help integrate traditional knowledge with modern conservation strategies. Partnership with the Lankaran Fisheries Cooperative – joint monitoring of fish stocks, educational workshops for local fishers, and joint reporting on ecosystem health indicators. Strengthened community engagement and conservation awareness.

9. Watershed Management Strategies:

Our institution has implemented watershed management strategies tailored to local aquatic biodiversity. These strategies consider species-specific requirements, hydrological patterns, and ecosystem health indicators to ensure sustainable water management practices. “Kura Watershed Biodiversity Plan” – university-led strategy

mapping the diversity of aquatic species across the Kura River basin. Includes zoning for water use, pollution monitoring, and restoration of threatened habitats, integrated with local government water policies.

Current situation

As of 2025, Baku State University (BSU) continues to strengthen its contribution to **SDG 14: Life Below Water**, focusing on the protection, sustainable use, and scientific study of aquatic ecosystems, particularly those related to the Caspian Sea region. The university integrates research, education, and community engagement activities to address marine and freshwater environmental challenges. BSU possesses strong academic and research capacity in environmental sciences, biology, chemistry, and geology, which enables the institution to conduct interdisciplinary studies on aquatic ecosystems. Current research activities focus on key issues such as marine pollution, heavy metal contamination, plastic waste, biodiversity conservation, and the ecological consequences of climate-related changes in the Caspian Sea. These studies involve advanced methodologies including geophysical analysis, chemical monitoring, biological assessment, and remote sensing technologies. The findings contribute to scientific understanding of marine ecosystems and support national strategies for sustainable water resource management.

In the field of education, BSU offers a variety of academic courses and programmes related to aquatic ecosystems, freshwater biology, and aquaculture. These programmes equip students with theoretical knowledge and practical skills necessary for sustainable management of water resources and aquatic biodiversity. Through curriculum integration, the university aims to develop future specialists capable of addressing environmental challenges affecting marine and freshwater ecosystems.

The university also implements practical initiatives to protect aquatic ecosystems and promote environmental awareness. These include ecological monitoring of lakes and coastal areas, research on endangered aquatic species such as Caspian sturgeon, and collaboration with national and international partners to improve environmental management practices. BSU additionally promotes responsible waste management and works to reduce pollution originating from land-based sources that may affect marine environments.

Moreover, BSU encourages student participation in sustainability activities through environmental clubs, awareness campaigns, and research projects related to aquatic conservation. Community outreach programmes and collaborations with governmental institutions and NGOs further strengthen the university's role in promoting responsible use of aquatic resources and protecting biodiversity in Azerbaijan.

EDUCATIONAL PROGRAMMES

BSU offers educational programs on sustainable management of aquatic resources. Acting in educational programmes for sustainably manage and protection of aquatic and coastal ecosystems to escape significant conflicting impacts, their restoration with the intention of achievement healthy and productive environment.

General course: ATMF-B03 Aquatic plants of fresh water basins

Goals and objectives

General types of ponds used in aquaculture/ Freshwater aquaculture resources-ponds, tanks, lakes, reservoirs etc. The phytoplankton of fresh waters/ Lentic water organisms, lotic water algal blooms, Predatory and weed fishes of fresh waters, use of biofertilizers, supplementary feeding. Fresh water quality management. Selection, transportation, and acclimatization of fresh water fishs.

General courses: İF-B15 Aquatic plants aquaculture, İF-B17 Fish aquaculture, İF-B19 Methods of monitoring and research in aquaculture

Goals and objectives

-Basics and history of aquaculture

-Modern classification of aquatic plants

-The structure and working principles of the devices used in the study of aquatic plants

-Principles of microscopic and macroscopic algal biology

- Requirements for media used for aquaculture of aquatic plants

B

http

University offers educational outreach activities for local or national communities to raise awareness. Students of the Biology Faculty under the leadership of Chingiz Mammadov Associate Professor of the Department of Zoology and Physiology, were exposed to "Xilli Fish" Limited Liability Companie operating in Khilli settlement of Neftchala district and "Azerbaijan Fish Farm" located in Banke settlement through outreach programs as a part of their curriculum.

As a part of organization of extension programs on sustainable use of water sources, careful management and responsible use of aquatic reservoirs, the integration of water management with other aspects of sustainability, faculty members of the Department of Bioecology of the Faculty of Ecology and Soil Science of BSU have studied the ecological state of the soil cover, mesofauna, flora and avifauna of the Lokbatan, Binagadi and Kurdakhan lakes of Absheron and adjacent areas. As seafood is not usually used in campus and cafeterias in the university area, we do not have legislation on the harvesting of these foods from sustainable ecosystems.

University as a body works directly (research and/or engagement with industries) to maintain and extend existing ecosystems and their biodiversity, especially ecosystems under threat. According to the programme, İF-B19 Methods of monitoring and research in aquaculture the main objectives are as the following: Study the origin of waters used in aquaculture, the basic research methods used for monitoring in aquaculture, the rules of taking and storing various test samples, the methods of physical and chemical analysis of water, conducting hydrobiological research, the constant monitoring of water in aquaculture and to be able to analyze the monitoring results and monitoring of diseases in fish and other aquatic animals grown in aquaculture conditions, their causes and treatment methods.

BSU tries to minimize the waste of plastic and paper within the university. It is forbidden to use any plastic bottle in canteens that are in different buildings. Recycle bins for both plastic and paper waste were placed in the buildings.

The academic staff of the faculty conducts biomonitoring of organic pollution in the Caspian Sea based on the use of free-living ciliates as test-objects.

Baku State University (BSU), Izmir Institute of High Technology and "Lu-Mun Holding" have started a joint scientific research project with the aim of investigating the morphological differences of Caspian sturgeons (Acipenseridae) at the genome level. The main goal of the project is to study the morphological changes in sturgeon species at the molecular level and to determine whether this belongs to a new species.

BSU collaborates with "Azersu" Open Joint Stock Company and Ministry of Ecology and Natural Resources. "Azersu" Open Joint Stock Company and Baku State University signed a Memorandum on "Cooperation in the field of science, education and study". As part of this collaboration the project "Methods of efficient use of water" was realized.

Activities carried out at BSU in 2025 in the direction of SDG 14

BSU BIOLOGY FACULTY STUDENTS AT AZVARVARA LLC FOR PRODUCTION PRACTICE

Students of the Department of Biology at Baku State University (BSU), specializing in "Aquatic Bioresources," are undertaking production practice at **“**AzVarvara” LLC, located in the Yevlakh region. As one of the largest sturgeon farming centers in Azerbaijan, “AzVarvara” LLC operates on a 280-hectare area, cultivating over 1,400 tons of regional fish, including Azerbaijan's endemic sturgeon species, Cheban fish, Siberian sturgeon, and various hybrids. The facility’s annual production capacity reaches 35 tons of black caviar and 350 tons of sturgeon meat.During their practice, students closely observed all stages of the fish farming process. They received detailed guidance on hormonal injections, larval and fry cultivation, feeding, and overall farm infrastructure. Throughout the program, students applied their theoretical knowledge in practical conditions, acquiring essential hands-on skills in aquaculture.

For more information please click here

Study of the natural vegetation of the Caspian Coast underway at BSU

A seminar titled “Natural Vegetation of the Caspian Coast: Its Classification, Mapping, and Phytosociological Characteristics” was held at Baku State University (BSU). Dr. Humira Huseynova presented on the biodiversity, ecological and geobotanical features, and classification of vegetation along the Caspian coast. The coast’s vegetation is influenced by climate, relief, soil, and human activity, and is divided into six main zones: forest, shrubland, semi-desert, desert, coastal sandy desert, and wetlands. Research identified 25 formation classes, 125 formation groups, and 179 associations. GIS-based maps at 1:200,000 scale were created to represent the distribution and ecological characteristics of these zones. The seminar concluded with a discussion and Q&A session.

For more information please click here

BSU Ranks in the Top 600 in the Times Higher Education Impact Rankings 2025

Baku State University (BSU) has been ranked among the top 600 universities worldwide in the 2025 Times Higher Education (THE) Impact Rankings, improving from last year's 1001–1500 range. Out of 2,318 institutions evaluated, BSU progressed from 9 to 15 Sustainable Development Goals (SDGs). Its overall performance score rose by 35%, from 53.2 to 71.8. The university is in the global top 100 for SDG 1 (No Poverty), SDG 4 (Quality Education), SDG 5 (Gender Equality), and SDG 10 (Reduced Inequalities), while ranking 101–200 for SDG 15 and SDG 16, and 201–300 for SDG 2, SDG 6, SDG 8, and SDG 14. This achievement demonstrates BSU's commitment to sustainable development, social responsibility, environmental protection, and inclusive education, enhancing its global reputation and competitiveness.

For more information please click here

BSU student wins the “Azad Mirzajanzade Development Program” of RİİB

A fourth-year student of Baku State University, Saida Rahimli from the Faculty of Ecology and Soil Science, became a winner of the “Azad Mirzajanzade Development Program” organized by the Regional Development Public Union. Her project, “CMC-Vessel,” was selected among more than 100 applicants, with 10 projects receiving financial support in the final stage.The project aims to clean oil pollutants and plastic waste from the Caspian Sea using chemical methods and artificial intelligence. The prototype will be developed at BSU’s Student Scientific and Technical Creativity Center by a team of students. The program, launched in September 2023, supports innovative projects in social, environmental, and educational fields.

For more information please click here

BSU Volunteers participate in “Protect the Caspian 2025” International Coastal Cleanup

Members of the BSU Volunteers participated in the traditional “Protect the Caspian” International Coastal Cleanup organized by the Public Association of Azerbaijan Graduates Educated in the USA. The event is part of the global International Coastal Cleanup initiative held in more than 100 countries for over 30 years. Azerbaijan has actively joined the “Protect the Caspian” ecological campaign for more than 15 years, and the scale of participation continues to grow each year.

For more information please click here

BSU Student Trade Union Committee launches a series of orientation sessions for first-year students

The Student Trade Union Committee of Baku State University launched orientation sessions for first-year students at Baku State University. The first meetings were held for students of the Faculty of International Relations and Economics and the Faculty of History. During the sessions, Chairman Zöhrab Javadzade introduced the committee's projects and activities supporting student life, sports, and healthy lifestyles. University representatives also informed students about opportunities offered by different structural units and encouraged them to actively participate in campus life.

For more information please click here

Impact of hydrometeorological factors on the recreational zones of the Caspian Sea studied at BSU

A scientific seminar on assessing hydrometeorological parameters in the recreational zones of the Caspian Sea was held at the Faculty of Geography of Baku State University. Associate Professor Saleh Nagiyev emphasized the importance of studying hydrometeorological factors for the sustainable use of coastal recreational areas. In her presentation, Aytan Guliyeva discussed key indicators such as air temperature, wind, humidity, precipitation, and wave height, and analyzed their seasonal changes and effects on recreational activities. Participants noted the scientific relevance and innovative methodological approach of the research.

For more information please click here

Scientific seminar on the transformation of Caspian Coastal landscapes

A scientific seminar on the transformation of Caspian coastal landscapes was held at the Faculty of Geography of Baku State University. Doctoral candidate Gunay Abbasova presented research on the impact of anthropogenic factors on landscape transformation in the Lankaran physical-geographical region. The study analyzed natural conditions, climate, relief, hydrography, and soil-vegetation cover, identifying population density and economic activity as key drivers of landscape change. A zoning map was developed to show areas with different levels of transformation and to assess ecological risks, ecosystem resilience, and recreational potential.

For more information please click here

Scientific seminar on the assessment of hydrometeorological parameters in the recreational zones of the Caspian Sea held at the faculty of Geography

A scientific seminar on the assessment of hydrometeorological parameters in the recreational zones of the Caspian Sea was held at the Faculty of Geography of Baku State University. Associate Professor Saleh Nagiyev highlighted the importance of studying hydrometeorological factors for the sustainable use of coastal recreational areas. In her presentation, Aytan Guliyeva analyzed key indicators such as air temperature, wind regime, humidity, precipitation, and wave height, and assessed their impact on recreational conditions in the coastal zones. Participants emphasized the relevance of the research and noted its innovative methodological approach.

For more information please click here

Research by Azerbaijani scientists on nanoparticles presented at an international conference in Pakistan

From 18–20 August 2025, the 1st International Conference on Nanoscience and Nanotechnology was held at the University of Karachi in Karachi. At the conference, Chingiz Mammadov from Baku State University presented a joint study on the effects of metal nanoparticles on fish reproductive processes in collaboration with researchers from the Institute of Biotechnology of ANAS. The research examines how anthropogenic metal nanoparticles influence egg productivity, ontogenesis, and transgenerational transmission in fish using histological, biochemical, and biophysical methods. The presentation received a certificate and is conducted within the Azerbaijan Science Foundation's 2024 Main Grant Competition.

1st INTERNATIONAL CONGRESS ON NANOSCIENCE AND NANOTECHNOLOGY

Organized by

International Center for Chemical and Biological Sciences

HEJ Research Institute of Chemistry

and

Dr. Panjwani Center for Molecular Medicine and Drug Research

It is certified that

CHINGIZ MAMEDOV

has participated in the "1st INTERNATIONAL CONGRESS ON NANOSCIENCE AND NANOTECHNOLOGY", held at the ICCBS, University of Karachi, Pakistan, during August 18-20, 2025.

His/Her active participation has contributed to the overall success of the event.

Prof. Dr. Atta-ur-Rahman, FRS

Prof. Dr. M. Raza Shah

Prof. Dr. M. Iqbal Choudhary

For more information please click here

Participation in the final of the “Earth Observation” competition

Researchers Tahir Yunuslu and Ramil Hasanov from the Faculty of Ecology and Soil Science of Baku State University reached the final stage of the “Earth Observation” competition organized by Azercosmos. Yunuslu’s project focuses on creating a GIS system for the Mud Volcanoes Group State Nature Reserve, while Hasanov studied the impact of the declining water level of the Caspian Sea on biodiversity in Gizilaghaj National Park. The competition aims to promote the use of satellite imagery and GIS technologies, with 50 projects selected for the final stage out of 293 applications.

For more information please click here

Scientific seminar held: Assessment of the Assimilation Potential of Coastal Landscapes of the Caspian Sea under Technogenic Impacts

Doctoral student Laman Guliyeva from the Faculty of Ecology and Soil Science of Baku State University presented research on the assimilation potential of coastal landscapes of the Caspian Sea under technogenic impacts. The study analyzed soil resistance to pollution by examining microbiological activity, biodegradation of hydrocarbons, mineralization, and self-purification capacity. Results showed that meadow-forest soils have the highest assimilation capacity, while gray-meadow and gray-brown soils are more sensitive to pollution. The research highlighted the importance of using modern biotechnologies to enhance soil self-purification and support sustainable management of coastal ecosystems.

For more information please click here

Baku State University
http://sdg.bsu.edu.az/

CONCLUSION

Baku State University demonstrates a comprehensive and multidimensional commitment to the achievement of Sustainable Development Goal 14: Life Below Water. Through the integration of education, scientific research, institutional policy, and community engagement, the university contributes actively to the protection, sustainable management, and restoration of aquatic ecosystems.

The university's academic programs and specialized courses provide students with both theoretical knowledge and practical competencies related to freshwater ecosystems, aquaculture, water quality management, and biodiversity conservation. These educational initiatives cultivate environmental responsibility and prepare future specialists capable of addressing complex challenges related to marine and freshwater environments.

Scientific research conducted by BSU plays a critical role in understanding and mitigating environmental pressures affecting aquatic ecosystems, particularly in the Caspian Sea region. Studies on marine pollution, heavy metal contamination, microplastics, hydrometeorological dynamics, and biodiversity conservation contribute valuable scientific knowledge that supports evidence-based environmental management and sustainable resource use.

In addition to academic and research activities, the university promotes environmental awareness through outreach programs, student initiatives, and partnerships with governmental institutions and industry stakeholders. Collaborative projects with organizations such as Azersu OJSC and the Ministry of Ecology and Natural Resources demonstrate BSU's commitment to translating scientific expertise into practical solutions for sustainable water management and ecosystem protection.

Institutional sustainability practices further reinforce this commitment. Initiatives such as reducing plastic waste on campus, implementing recycling systems, and supporting ecological monitoring activities contribute to minimizing environmental impact and fostering a culture of sustainability within the university community.

Overall, Baku State University adopts an integrated and interdisciplinary approach to advancing the objectives of SDG 14. By combining education, research, innovation, and community collaboration, the university strengthens its role as an important contributor to aquatic ecosystem conservation and the sustainable management of water resources at both national and regional levels.

SDG Focused Memberships

aashe member

WAITRO

CANIE
climate action network

ISCN
International Sustainable Campus Network

GUNA
GLOBAL UNIVERSITY
NETWORK FOR INNOVATION

SDG FOCUSED RANKING RESULTS

Rated for Excellence

Baku State University

Through rigorous and independent data collection and analysis of performance metrics as set out in the QS Stars™ methodology Baku State University has been awarded 5 Stars.

TEACHING ★★★★★

FACILITIES ★★★★★

EMPLOYABILITY ★★★★★

GOOD GOVERNANCE ★★★★★

ENVIRONMENTAL IMPACT ★★★★★

ACADEMIC DEVELOPMENT ★★★★★

GLOBAL ENGAGEMENT ★★★★

CHEMISTRY ★★★★

DIVERSITY, EQUITY & INCLUSION ★★★★★

QS Stars

The QS Stars™ rating system evaluates universities across a wide spectrum of important performance indicators as set against pre-established international standards. By assessing a broader scope of criteria than any world ranking exercise, QS Stars™ illuminates the unique strengths and diversity of the rated institution with both precision and clarity.

Leigh Kamolins, Head of Evaluation

Baku State University
http://sdg.bsu.edu.az/

QS WORLD UNIVERSITY RANKINGS

SUSTAINABILITY RANKINGS 2025

Baku State University

941-950

in overall performance

December 2024

Date

Ben Sowter
Senior Vice-President
QS Quacquarelli Symonds

4. RANKING IN AZERBAIJAN

Country Ranking	SI Ranking	EC Ranking	WS Ranking
1	2	11	3

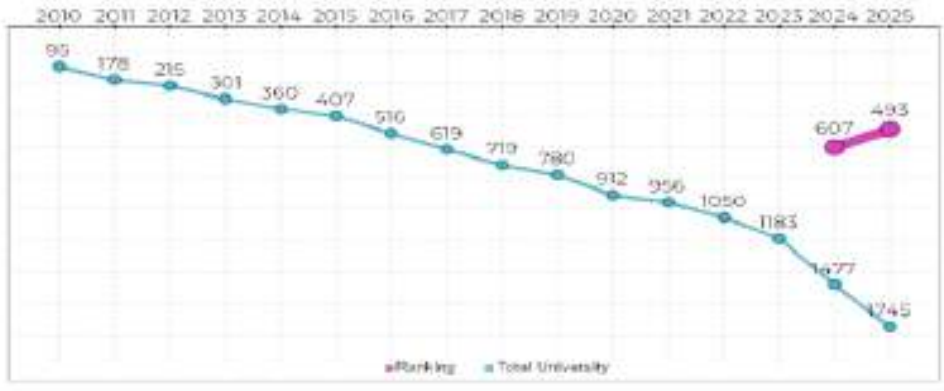
WR Ranking	TR Ranking	ED Ranking
5	1	2

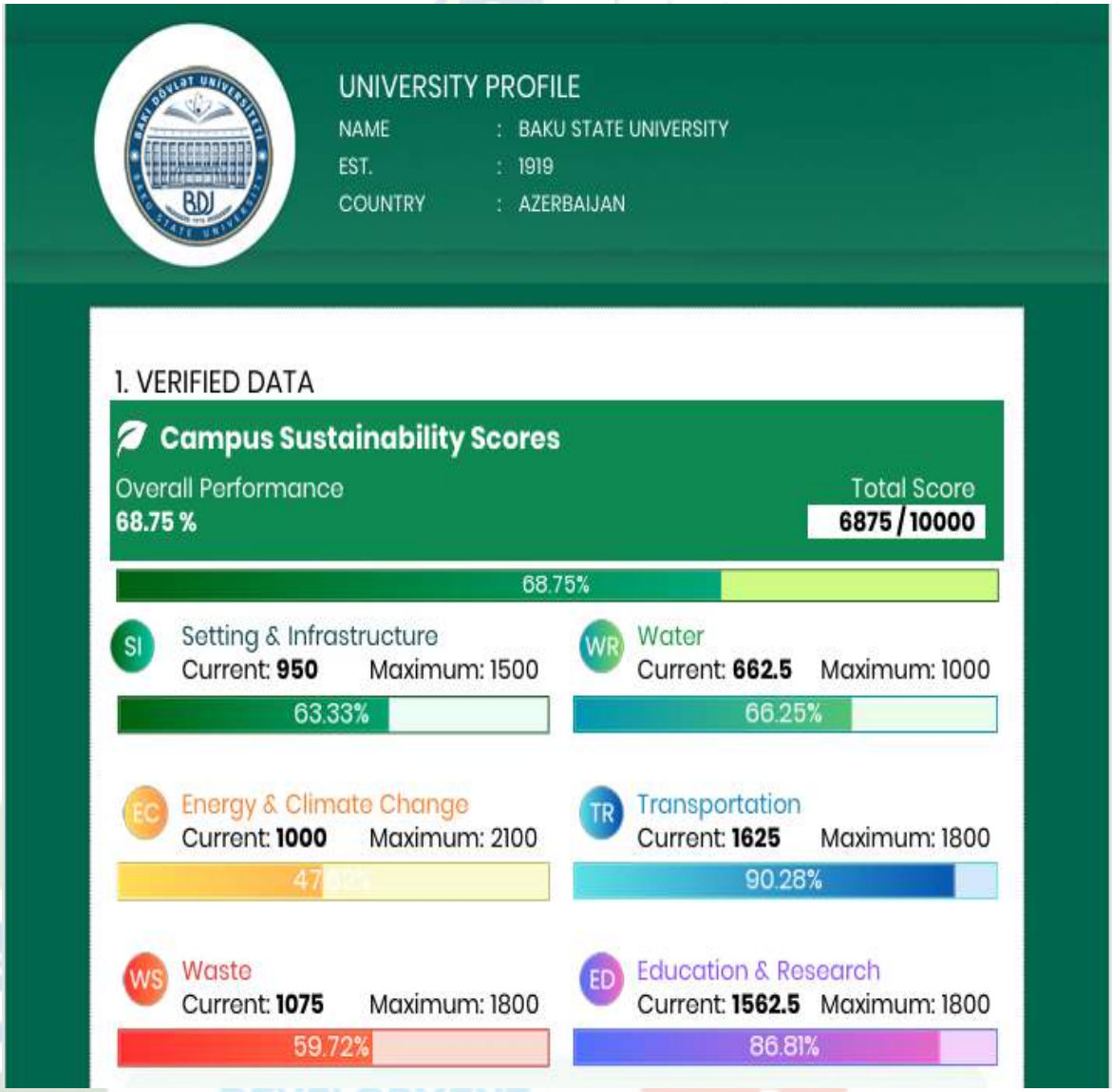
2. RESULTS SUMMARY

World Ranking	SI Ranking	EC Ranking	WS Ranking
493	660	1102	654

WR Ranking	TR Ranking	ED Ranking
607	98	239

3. WORLD RANKINGS HISTORY





Baku State University
http://sdg.bsu.edu.az/

THE IMPACT RANKINGS

Baku State University
http://sdg.bsu.edu.az/

OVERALL RANK

401–600 out of **2318** institutions

14 LIFE BELOW WATER

SCORE **50.9** RANK **201–300** out of 711 institutions

SCORE **41.0**

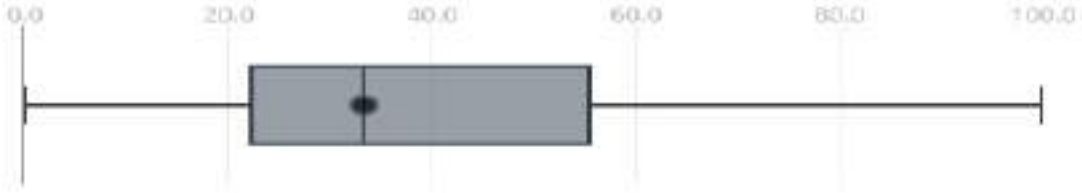
Research on life below water

27% OF THIS SDG

SCORE **33.3**

Supporting aquatic ecosystems through education

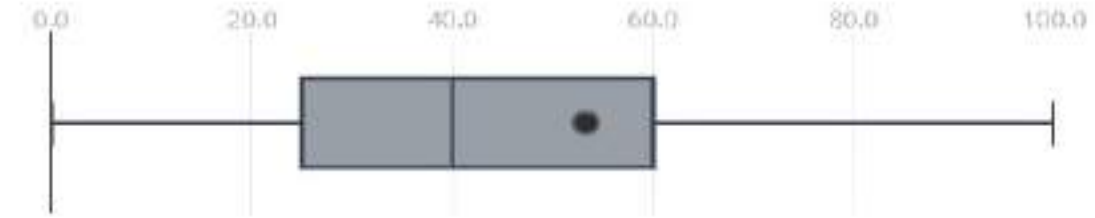
13.3% OF THIS SDG



SCORE

53.3 Maintaining a local ecosystem

19% OF THIS SDG



SCORE

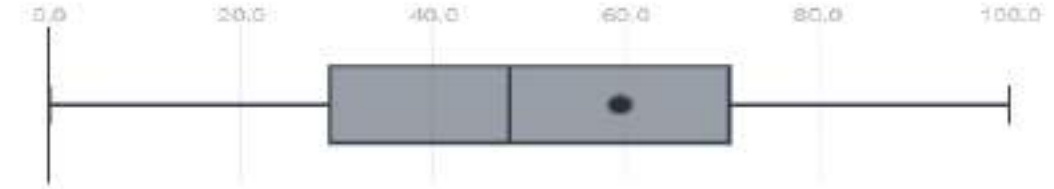
68.0 Water sensitive waste disposal

19.3% OF THIS SDG

SCORE

59.4 Supporting aquatic ecosystems through action

19.4% OF THIS SDG



SDG FOCUSED RESEARCH

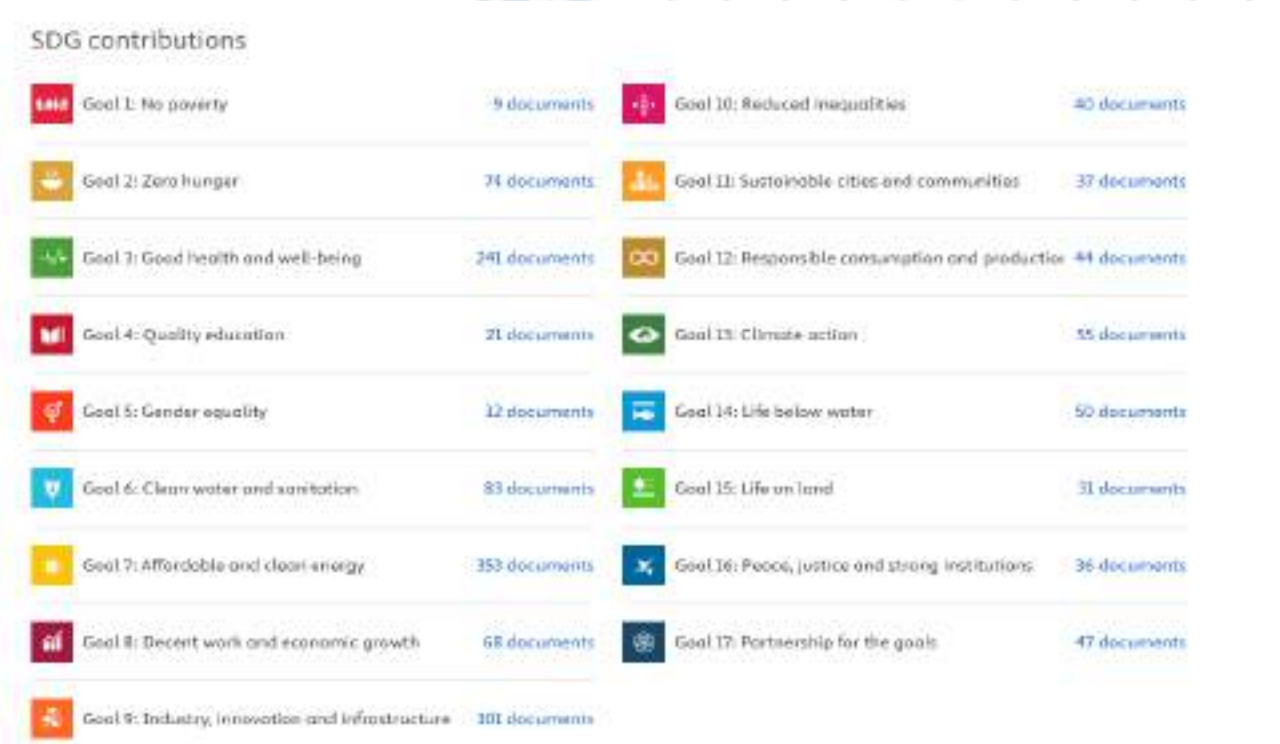
Introduction:

Baku State University conducts significant scientific research aligned with **SDG 14: Life Below Water**, focusing on the protection and sustainable use of aquatic ecosystems. A major area of research is the ecological study of the Caspian Sea, including issues such as marine pollution, heavy metal contamination, plastic waste, and the ecological consequences of climate-induced sea level changes.

Using advanced scientific approaches—such as geophysical investigations, chemical analyses, remote sensing technologies, and biological monitoring—BSU researchers generate important data for understanding marine and coastal ecosystem dynamics. These studies contribute to evidence-based strategies for the sustainable management and protection of the Caspian marine environment.

In addition, the university supports biodiversity conservation through research on fish species, migratory birds, and endangered mammals associated with aquatic habitats, while also strengthening international academic collaboration aimed at safeguarding shared water resources.

For all SDGs related articles please visit: Scopus - Baku State University



1. Authors: Yetirmishli, G.J., Kazimova, S.E., Samedzade, A.V.

Focus: Seismic and hydrocarbon potential of the Bulla-Deniz field in the Eurasian–Arabian plate collision zone.

Methods: Geophysical, seismological, tomography, GPS, and drilling data analysis.

Findings: Identified deep structural anomalies and active faults; revealed extension and strike-slip tectonic movements critical for hydrocarbon accumulation.

Recommendation: Continuous seismic monitoring and geological assessment are essential for hydrocarbon exploration and risk mitigation.

Full text

2. Authors: Maeyouf H., Khattab R.A., Temraz T., Mahmoud S., İmran A., Imanova G.

Focus: Heavy metal contamination along Libya's Susah and Tobruk coasts.

Methods: Sediment, seawater, and marine life sampling with metal analysis.
Findings: High cadmium pollution in Susah; significant lead accumulation in fish tissues.
Recommendation: Urgent implementation of pollution control measures to protect ecosystems and human health.
Full text

3. Authors: Gadirova, E.M., Kurbanova, R.V., Asadova, I., Habibova, A.G., Suleymanova, E.I.
Focus: Polycyclic aromatic hydrocarbons (PAHs) in wastewater and Caspian Sea samples.
Methods: Chemical analysis of refinery wastewater and seawater.
Findings: PAH concentrations often exceed safe levels, posing serious ecological threats.
Recommendation: Strengthen wastewater management and pollution monitoring in oil-related industries.
Full text

4. Authors: Taghiyev, A.N., Karimova, N.A., Badalova, S.V.
Focus: Breeding behavior of migratory-nesting bird species on the southwestern Caspian coast (2008–2023).
Methods: Long-term field observations of bird populations.
Findings: Habitat loss and water level decline increased competition, threatening species like Bubulcus ibis.
Recommendation: Urgent conservation and habitat restoration measures are needed.
Full text

5. Authors: Humbatova, S., Abbasova, G., Humbatov, M.F.O.
Focus: Coastal transformations of the Azerbaijani Caspian Sea coast.
Methods: Historical analysis of sea level changes, pollution, and socio-environmental impacts.
Findings: Rapid morphological changes since the 20th century threaten ecosystems and infrastructure.
Recommendation: Develop integrated coastal monitoring and management strategies.
Full text

6. Authors: Etirmishli, G.D., Arastun, I.K., Samedzade, A.V., Serikova, U.S.
Focus: Hydrocarbon potential of the Bulla-Deniz oil and gas field.

Methods: Geological and geophysical analysis, drilling data, and advanced extraction technologies.
Findings: Rich hydrocarbon layers with high production potential; enhanced efficiency through horizontal drilling and hydrofracking.
Recommendation: Apply advanced extraction methods for sustainable resource development.
Full text

7. Authors: Nasibova, A.N., Bakhishzada, A., Khalilov, R.I.
Focus: Environmental and health risks of microplastics.
Methods: Literature review on micro- and nanoplastic pathways and impacts.
Findings: Microplastics accumulate in tissues, disrupt biological systems, and contribute to chronic diseases.
Recommendation: Reduce plastic use, improve waste management, and limit human exposure.
Full text

8. Authors: Mammadli S., Khalilov R., Muslumova Z., Asadova I., Farajov M., Ismailova G.
Focus: Pollution in the Araz River and its environmental impacts.
Methods: Mass and radio spectrometry of water, soil, and plants.
Findings: High levels of Mo, Cu, Mn exceeding safety limits; contamination of soil and vegetation.
Recommendation: Pollution prevention measures are needed to safeguard agriculture, livestock, and human health.
Full text

9. Authors: Gadirova, E.M., Hajiyeva, S.R., Huseyinli, A.G., Rustamova, U.N.
Focus: PAHs and heavy metals in wastewater and Caspian Sea samples.
Methods: Chemical analysis of refinery discharges and seawater.
Findings: Significant pollutant levels present risks to marine ecosystems.
Recommendation: Enforce stricter wastewater discharge regulations.
Full text

10. Authors: Safarov, S., Kamran, K.V., Ismayilov, V.G., Safarov, E.S.
Focus: Upwelling events in the Caspian Sea.
Methods: MODIS-Aqua infrared satellite data (2003–2021).
Findings: Seasonal upwelling (May–September) peaks in July–August; strong

gradients up to 4°C per 100 km.
Recommendation: Further study upwelling impacts on fisheries and marine ecosystems.
Full text

11. Authors: Gadirova, E.M., Abdullayev, V.H., Abuzarova, V.A., Avramović, Z.Z.

Focus: Biological wastewater treatment methods.
Methods: Review of treatment principles and technologies.
Findings: Biological treatments reduce environmental impact effectively.
Recommendation: Expand use of biological methods for sustainable wastewater management.
Full text

12. Authors: Amiri, G.S., Mammadov, C.A.

Focus: Comparative growth and physiology of rainbow and amber trout.
Methods: Rearing under identical conditions at AZFOREL fish farm (2021–2022).
Findings: Rainbow trout outperformed amber trout in growth, protein, and calcium levels.
Recommendation: Rainbow trout may be more suitable for aquaculture in Azerbaijan.
Full text

13. Authors: Imranov, F.B., Rustamov, R.B.

Focus: Ecological stress and monitoring in the Caucasus–Caspian region.
Methods: Remote sensing and satellite imaging of coastal changes and pollution.
Findings: Oil spills and geodynamic stresses monitored effectively with space technologies.
Recommendation: Expand remote sensing applications for ecological monitoring.
Full text

14. Authors: Ahmadova, K.N.

Focus: Forecasting hydrocarbon composition of oil via dielectric spectroscopy.
Methods: Spectroscopic ellipsometry to measure dielectric function.
Findings: Developed accurate “dielectric fingerprint” to identify oil origin.
Recommendation: Apply method for oilfield identification and environmental monitoring.
Full text

15. Authors: Askerov, E., Mallon, D.P., Zazanashvili, N., Kochiashvili, V., Sarukhanova, S., Muradov, A.

Focus: Conservation of the Goitered Gazelle in the Caucasus.
Methods: Population monitoring and reintroduction programs (1930s–2020s).
Findings: Population rebounded in Shirvan Reserve; 312 individuals now in transboundary areas.
Recommendation: Continue habitat protection and cross-border conservation efforts.

Full text

16. Authors: Agayeva, N., Rzayev, F.H., Gasimov, E.K., Mamedov, C.A., Ahmadov, I.S., +4 authors

Focus: Nanoparticle bioaccumulation in rainbow trout.
Methods: Tracing Fe_3O_4 nanoparticles through aquatic food chains.
Findings: Nanoparticles accumulated in fish tissues, including mitochondria and lysosomes.
Recommendation: Regulate nanoparticle use in aquaculture and nanobiotechnology.

Full text

17. Authors: Baldermann, A., Abbasov, O.R., Bayramova, A.S., Abdullayev, E., Dietzel, M.

Focus: Chemical properties of mud volcano fluids in Azerbaijan.
Methods: Mineralogical and geochemical analysis of Bahar and Zenbil mud volcanoes.
Findings: Fluids enriched with solutes and trace elements from deep geological processes.
Recommendation: Study environmental impacts of mud volcano fluids on water and sediments.

Full text

Baku State University

2025 REPORT ON

15 LIFE ON LAND

INTRODUCTION

The university's commitment to supporting Sustainable Development Goal 15, focusing on Life on Land, is evident through a range of initiatives and policies. The university actively promotes education and awareness on land ecosystem conservation and sustainable land utilization. It hosts events, offers educational programs on flora and fauna, and provides outreach on sustainable land management.

The institution has established policies to ensure sustainable food sourcing on campus, reducing plastic waste, and promoting clean water standards. Furthermore, the university actively engages with local communities and collaborates with external organizations on projects related to land ecosystem protection and sustainable development.

The university's actions extend to the conservation, restoration, and sustainable use of terrestrial ecosystems, including forests, mountains, and drylands. The institution also prioritizes the protection of IUCN Red Listed and national conservation list species.

While the campus takes proactive steps to minimize its impact on land ecosystems, it does not have a specific policy for managing alien species. Nevertheless, it has demonstrated a commitment to environmental stewardship, sustainability, and carbon footprint reduction.

The university's efforts reflect a strong dedication to the conservation and sustainable use of land ecosystems, aligning with the principles of Sustainable Development Goal 15.

Our university has policies to convince that products on campus are sustainably farmed. According to the agreements made with the corporations or the crops used for food on campus, should be preferred from the products grown with sustainable agriculture methods. This creates policies that cover the companies from which services are purchased and other participants in the supply chain, as well as supporting sustainable agriculture.

Furthermore, the completion of a five-story Educational-practical and recreational center in Guba region of Azerbaijan (distance - about 165 km from Baku), capable of serving about 400 individuals (separate rooms with own showers and toilets), has laid a solid foundation for fostering the scientific-practical creativity of both teachers and students and for their recreation and relaxation, especially during the summer period. Additionally, a portion of the faculty and staff families have chosen to reside on campus.

This Center has furnished rooms, a large canteen with all facilities, sportive areas, stadiums, big modern conference room, some educational rooms, hundreds of fruit trees in the large territory - harvest is usually delivered to university staff, river, and forest nearby. The University provides its own buses and rented vehicles for students and staff to travel to the Center.

The university has a policy on reducing plastic waste on campus

It is forbidden to use any plastic bottle in canteens that are locating in different buildings	BSU signs service agreement with catering companies that are operating in line with SDGs	BSU consider SDGs as a selection criterion while procurement	Recycle bins for both plastic and paper waste were placed in the buildings

According to Sustainable Investment Policy, Actions

Investing in projects that demonstrate strong environmental stewardship, promote sustainability, and actively work to reduce carbon footprint	Continuing to allocate funds to projects that demonstrate a strong commitment to environmental stewardship, sustainability, and reducing carbon footprint

Community Educational Programmes on Ecosystems and Sustainable Land Management

1. Educational Programmes on Ecosystems (Wild Flora and Fauna)

BSU, through its Faculty of Biology and Faculty of Ecology and Soil Science, offers several educational and outreach programmes aimed at raising public awareness and providing training on the conservation of ecosystems, wild flora, and fauna.

- **Community and School Outreach:**
  The university regularly organizes field workshops, seminars, and lectures for local schools and environmental clubs focusing on biodiversity, the importance of ecosystem services, and conservation of Azerbaijan's endemic species.
- **Research-Based Activities:**
  BSU's Zoology, Botany, and Ecology departments conduct joint projects with the Ministry of Ecology and Natural Resources, studying the biodiversity of the Absheron Peninsula and protected areas such as Shirvan National Park. Findings from these projects are shared with the public through exhibitions, open lectures, and educational materials.
- **Environmental Education Centre:**
  The Environmental Education and Research Centre at BSU develops and delivers short-term training courses on ecosystem protection, environmental monitoring, and sustainable biodiversity management for teachers, students, and local community groups.

Example Activities:

- "Biodiversity Week" - a public awareness event involving schoolchildren and NGOs to promote the protection of wild flora and fauna.
- "Ecosystem Restoration in Absheron" - community seminars on the restoration of degraded coastal ecosystems and vegetation.

2. Educational Programmes on Sustainable Management of Land for Agriculture

BSU provides educational and extension programmes promoting sustainable agricultural land management practices in cooperation with public institutions and local farmers.

- Faculty of Ecology and Soil Science offers training sessions and applied workshops on soil fertility management, organic farming, and sustainable irrigation practices.

- The Irrigo Model Project, developed by BSU researchers, promotes smart water use and wastewater treatment for irrigation - this initiative has been introduced to agricultural communities to demonstrate resource-efficient farming methods.
- Collaboration with Azerbaijan National Academy of Sciences and local municipalities supports capacity building for rural populations on sustainable land use and protection against soil degradation and salinization.

Example Activities:

- "Sustainable Agriculture for the Future" - annual seminar for regional farmers on soil conservation and efficient water management.
- "Agro-ecology Summer School" - a short-term programme for students and farmers focusing on land sustainability and climate-adaptive crop planning.

3. Educational Programmes on Sustainable Management of Land for Tourism

BSU contributes to promoting sustainable tourism practices through academic programmes and public engagement projects focusing on eco-tourism and landscape preservation.

- The Faculty of Geography offers special training and community lectures on eco-tourism, sustainable land use in natural parks, and the balance between tourism development and environmental conservation.
- In cooperation with local tourism departments and environmental NGOs, BSU organizes public workshops that highlight the role of local communities in protecting natural landscapes while benefiting economically from eco-tourism.
- Fieldwork components of geography and ecology courses often include eco-tourism route planning in protected zones such as Gobustan, Shahdag, and Hirkan National Parks, where BSU students and community members jointly engage in awareness and conservation campaigns.

Example Activities:

- "Eco-tourism for Sustainable Future" - awareness seminars for local tourism operators.
- "Green Routes of Azerbaijan" - community-led mapping initiative led by BSU researchers and students to identify low-impact tourism paths.

Community Collaboration for Shared Land Ecosystems

BSU actively engages with local communities through various partnerships and initiatives aimed at preserving and enhancing shared land ecosystems. These collaborations encompass educational outreach, environmental conservation projects, and sustainable development efforts.

1. Educational Workshops and Awareness Campaigns

BSU collaborates with the Biological Diversity Protection Service under the Ministry of Ecology and Natural Resources to organize educational meetings and workshops. For instance, a recent event held at BSU focused on biodiversity conservation, bringing together students, faculty, and community members to discuss the importance of preserving local ecosystems. sdg.bsu.edu.az

2. "Eco Space" Project: A Hub for Sustainability

In partnership with organizations like Bayramli Group, LU-MUN Holding, and Azecolab, BSU launched the "Eco Space" project. This initiative serves as a center for ecological education and sustainable development practices, promoting community involvement in environmental conservation efforts. greenpen.az

3. Community-Based Environmental Projects

BSU collaborates with local communities on various sustainable development projects, including community recycling programs, urban green space development, and energy efficiency initiatives. These projects aim to create tangible benefits while fostering active community involvement in environmental stewardship. sdg.bsu.edu.az

4. Partnerships with Non-Governmental Organizations (NGOs)

BSU partners with NGOs to advance the United Nations Sustainable Development Goals (SDGs) and address climate adaptation challenges. These partnerships integrate education, research, and community engagement to foster sustainable development and enhance climate resilience both within Azerbaijan and internationally. sdg.bsu.edu.az

For previous year's report please see: **REPORT ON SDG 15: LIFE ON LAND**

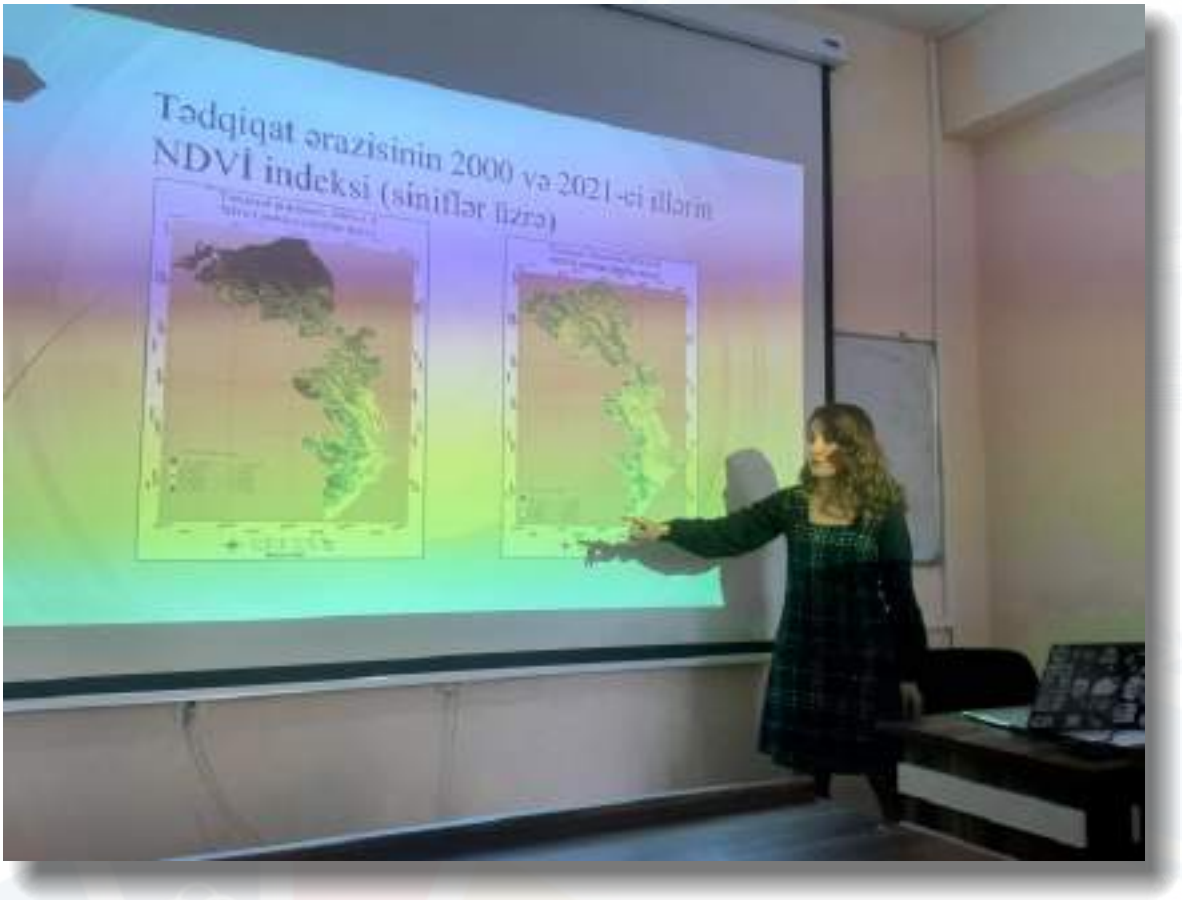
Activities carried out at BSU in 2025 in the direction of SDG 15

An assessment of the ecological situation in the Hakaricay reservoir was conducted at BSU

A scientific seminar was held at the Faculty of Ecology and Soil Science of BSU, where the dynamic state of forest-vegetation cover in the Hakaricay Basin (Lachin, Gubadli, and Zangilan districts) during the occupation period was studied.

The research analyzed changes in vegetation cover, hydrological conditions, and aerosol levels using satellite data and various indices (NDVI, MNDWI, etc.). The results were presented through maps, diagrams, and multi-layer electronic maps.

For more information please click.



A training session at BSU dedicated to World Reserves and National Parks Day

Employees of the Biodiversity Conservation Service of the Ministry of Ecology and Natural Resources of the Republic of Azerbaijan held a training session at the Faculty of Ecology and Soil Science of BSU on January 11 – World Reserves and National Parks Day.

During the training, Elnur Ibrahimov and Aytaj Khalafli provided information about specially protected natural areas in the country, including national parks, state nature reserves, and sanctuaries. They also spoke about plans to establish a Geopark based on the Absheron mud volcanoes, a Biosphere Reserve based on the Zagatala State Nature Reserve, and the creation of new national parks.

For more information please click.

BSU Volunteers Participate in Tree Planting Campaign Dedicated to Azerbaijan Youth Day

On February 1, a tree-planting campaign for Azerbaijan Youth Day was held in Mushfigabad, organized by government ministries and youth organizations. “BSU Volunteers” from BSU participated, planting Eldar pine and olive trees suitable for the Absheron Peninsula’s soil and climate.

For more information please click.

A roundtable discussion titled Scientific innovation and Biotechnology: New perspectives in Ensuring Ecological Balance Sustainability was held at BSU

As part of the events dedicated to “Science Day” at BSU, the Faculty of Biology organized a roundtable discussion on “Scientific Innovation and Biotechnology: New Perspectives in Ensuring Ecological Balance.”

During the event, the Dean of the Faculty, Afat Mammadova, emphasized the role of scientific innovation and biotechnology in preserving ecological balance and ensuring sustainable development. The speakers provided information on topics such as ecosystem protection, the application of microbiology and biotechnology, and the impact of radioactive contamination on biodiversity.

For more information please click.

BSU Volunteers organize awareness event dedicated to International Recycling Day

The “BSU Volunteers” organization, together with students from the Faculty of Ecology and Soil Science, held an awareness-raising event dedicated to International Recycling Day.

The event discussed proper waste management, the importance of recycling, and the preservation of ecological balance. Students were provided with practical tips on sorting waste and increasing their environmental responsibility in daily life.

For more information please click.

BSU students at the round table dedicated to World Wildlife Day

Faculty members and students of the Faculty of Ecology and Soil Science and the Faculty of Biology of BSU participated in a round table discussion held at the Ministry of Ecology and Natural Resources of Azerbaijan dedicated to World Wildlife Day (March 3). During the event, information was provided about biodiversity conservation, the protection of rare and endangered plant and animal species, and the bird fauna of Azerbaijan.

For more information please click.

BSU SCIENTIFIC SEMINAR: BIRDS OF AZERBAIJAN AND THEIR CONSERVATION

BSU's Faculty of Ecology and Soil Science held a seminar for International Bird Day on April 1, where PhD student Ramil Hasanov presented on Azerbaijan's bird species and their conservation. He highlighted the country's rich avian biodiversity, recorded 400+ species with 78 in the Red Book, discussed threats, conservation measures, and the role of protected areas, and shared 2024–2025 monitoring results showing 152 species, including 22 Red Book species, while noting climate change and human impacts on birds.

For more information please click.

A scientific staff member from BSU gave a presentation at a conference on bee diseases

Elvira Tahmazli, a scientific staff member of the Cell Culture and Genome Editing Research Laboratory at the Research, Development, and Innovation Excellence Center of BSU, gave a presentation on “The Importance of Diagnostics of Bee Diseases.”

The event, held in Sheki, was organized by the Professional Beekeepers Association and the “Qinyətoğulları” Beekeeping Farm, and was attended by representatives from the Azerbaijan Beekeepers Association, SME Development Agency (KOBIA), as well as beekeeping experts from Kazakhstan, Russia, and Israel.

For more information please click.

An International Earth Day has been celebrated at BSU

A scientific seminar dedicated to International Earth Day (April 22) was held at BSU, jointly organized by the Faculties of Geology and Geography. The aim of the event was to highlight the significance of Earth Day, draw attention to global environmental challenges, and discuss current issues in geological and geographical sciences.

During the seminar, the Dean of the Faculty of Geography, Professor Magsad Qocamanov, spoke about the history of Earth Day and emphasized the importance of maintaining ecological stability. Associate Professor Avaz Mammadov, Head of the Department of Seismology and Earth Physics at the Faculty of Geology, delivered a presentation on the problems of earthquake prediction. Professor Chingiz Ismayilov, Head of the Department of Economic and Social Geography at the Faculty of Geography, also informed participants about geomatics, methods of spatial data collection, and the role of these technologies in environmental monitoring and sustainable development.

For more information please click.

At BSU, research is being conducted on the trophic and biotopic relationships of birds along the southwestern coast of the Caspian Sea

The results of a study on the trophic and biotopic relationships of birds on the southwestern coast of the Caspian Sea were presented at a scientific seminar held at BSU.

The research, covering the years 2015–2024, was conducted in Absheron, Shirvan, and Gizilaghaj National Parks, as well as in the Kura River delta area. According to the

findings, the decrease in the Caspian Sea's water level has affected the birds' food sources, population structure, and settlement areas. The study analyzed the trophic and biotopic relationships of 126 bird species belonging to 13 families using GIS technologies, and it was noted that 22 rare bird species listed in the Red Book of the Republic of Azerbaijan were observed.

For more information please click.

The first workshop of the project titled "Application of Artificial Intelligence in Precision Agriculture" organized by the Agricultural Innovation Center at BSU has been held

The Ministry of Agriculture's Agrarian Innovation Center launched the "Application of Artificial Intelligence in Precision Agriculture" project, and its first workshop was held at BSU on April 16. The initiative promoted AI in agriculture through university workshops, farm visits, and practical training. BSU Rector Elchin Babayev highlighted the

role of AI and smart management in modern agriculture, noting BSU's achievements in research, TEKNOFEST competitions, and innovative projects like "Irrigo – Sustainable Agricultural Ecosystem."

The project aimed to strengthen cooperation between higher education and industry, support youth innovation, and implement smart agricultural solutions in practice. A bootcamp in Zangilan provided hands-on experience, while experts from universities, agro-parks, and private companies shared insights on AI applications in agriculture. The initiative marked a key step toward modernizing Azerbaijan's agricultural sector and fostering technological innovation.

For more information please click.

. The Azerbaijan representative office of the World Nature Conservation Fund held an awareness-raising meeting at BSU

The WWF Azerbaijan office, together with the Student Youth Organization of the Faculty of Biology at BSU, held an awareness session to promote ecological thinking and knowledge of rare and endangered species.

During the event, Konul Ahmadova, WWF Azerbaijan project manager, presented key conservation projects in Azerbaijan, including the reintroduction of gazelles and the protection of leopards and Caucasian vultures.

For more information please click

Cytological and histological characteristics of certain reptile species are being studied at BSU

A scientific seminar was held at the Faculty of Biology of BSU, presented by Ramin Hashimov, a doctoral candidate from the Department of Zoology and Physiology.

The seminar provided information about the habitats of several lizard species found in Azerbaijan, their adaptation mechanisms to ecological factors, and tissue-level changes. The research highlighted the impact of urbanization, temperature changes, and other ecological factors on the morphological and histological characteristics of these species, as well as on their distribution ranges.

For more information please click.

BSU students visit the Gobustan Mud Volcanoes

Faculty members and students from BSU's Department of Economic-Political Geography and Tourism visited the Gobustan Mud Volcanoes Tourism Complex to study geological processes and the area's natural resource potential. They learned about the significance of mud volcano research for environmental protection, disaster prediction, and scientific studies, and examined the characteristics of the volcanoes and local stratigraphic rock formations.

For more information please click.

Awareness event on Combating Environmental Crimes: Legal and Organizational Approaches held at BSU

The event focused on combating environmental crimes, aiming to enhance students' legal knowledge and environmental awareness. The presentations covered measures taken in Azerbaijan to protect the environment, the responsibilities and penalties for violations, and the relevant articles of the Criminal Code. The session continued in an interactive format, during which students' questions were answered.

For more information please click.

The ECOLEAD project is being successfully implemented

A tree-planting campaign was held in the Surakhani district as part of the ECOLEAD (Environmental Empowerment: Awareness and Law Enforcement Measures) project in honor of the 102nd anniversary of the birth of National Leader Heydar Aliyev.

The event was attended by Kamran Aliyev, Elchin Babayev, and representatives of various state institutions, and 500 trees were planted on 2 hectares of land. It was noted that since 2024, within the framework of the ECOLEAD project, more than 2,200 trees have been planted in different districts of Baku.

For more information please click.

BSU students learn ways to protect the environment

BSU held an event titled “Protect the Environment! Take Care of It!”, organized by History and Geology faculty student committees. Speakers emphasized the historical and modern importance of environmental protection, sustainable use of natural resources, and public participation. The event concluded with an educational video on environmental conservation.

For more information please click

Republic Scientific Conference on the new stage of land reform and the resolution of ecological problems at BSU

A nationwide scientific conference on “The New Stage of Land Reform and the Resolution of Ecological Problems” was held at BSU. The event was dedicated to the 102nd anniversary of the birth of National Leader Heydar Aliyev. The speeches highlighted Heydar Aliyev’s role in the development of agriculture, land reforms, environmental protection, and sustainable state-building, noting that during his leadership, the foundations for ecological policy, efficient use of natural resources, and ecosystem restoration were established.

For more information please click.

Training for BSU Students: Use of GPS in Geological Exploration

A practical training session on “Use of GPS in Geological Exploration” was held at BSU, jointly organized by the Student Youth Organization of the Faculty of Geology and the “BSU Volunteers” organization.

During the training, Elfaq Mammadov, a leading specialist in the Geological Exploration Department of “AzerGold” CJSC, provided students with information on the application of GPS technology in geological exploration and the operating principles of the devices. Participants gained practical skills in determining coordinates, collecting data, and transferring the information onto maps.

For more information please click.

BSU Biology Faculty Students participate in field training at Hirkan National Park

BSU biology students visited Hirkan National Park as part of a field training program and participated in the “BioDay 2025” event for International Day for Biological Diversity. During the visit, 144 students studied the park’s habitats, learned about its rare and endemic species, and gained knowledge on biodiversity conservation, ecological balance, and sustainable development, enhancing their research skills and environmental awareness.

For more information please click.

Presentation of an interactive map on the environmental impacts of Armenia's Mining Industry held at BSU

A presentation of an interactive map illustrating the negative environmental impacts of mining enterprises operating in Armenia was held at BSU. The map was developed by the "Environmental Protection First" coalition.

The coalition's co-founder Amin Mammadov and member Muqabil Bayramov informed participants about the project, noting that the map was prepared using satellite images and various sources and shows the environmental impacts of more than 20 mining sites.

During the event, the website hosting the interactive map was demonstrated, discussions were held, and participants' questions were answered.

For more information please click.

Event on Ecological Terror and the Nature of Karabakh held at BSU

An event titled "Ecological Terror and the Nature of Karabakh" was held at the Faculty of Information and Document Management of BSU. During the event, lecturer Shabnam Alizade spoke about the ecological crimes committed in Karabakh during the period of

occupation, including the destruction of biodiversity and damage to rare species of flora and fauna.

It was also emphasized that the facts of ecological terror should be investigated at the international level and that those responsible should be held legally accountable.

For more information please click.

BSU presents results of active biomonitoring of atmospheric air in Baku and Absheron

At a scientific seminar held at the Faculty of Ecology and Soil Science of BSU, doctoral student Orkhan Hajiyev presented the results of his research on the biomonitoring of atmospheric air in Baku and the Absheron Peninsula.

The study analyzed monitoring results obtained from moss samples collected at 21 locations. The findings revealed that in some areas the levels of heavy metals and other pollutants exceeded permissible limits, and it was determined that the main sources of pollution are industrial activities and transportation emissions.

For more information please click.

Genetic mapping of Karabakh and Dilbaz horse breeds initiated with BSU's Support Science

A comprehensive project has been launched to create genetic maps of Azerbaijan's Karabakh and Dilbaz horse breeds, led by the Ministry of Agriculture with support from BSU and FAO. The initiative aims to preserve their genetic heritage, study genomic diversity, and develop scientifically-based breeding programs. Phenotypic evaluations and sample collection have been conducted, and for the first time, complete genome maps will be created, with marker-assisted selection, genobank storage, and integration into international scientific databases planned.

For more information please click.

BSU participates in "Sustainability Exhibition: Art and Innovation for the Planet"

BSU participated in the "Sustainability Exhibition: Art and Innovation for the Planet" held within Baku Climate Action Week with two innovative projects: "Irrigo: Sustainable Agricultural Ecosystem" and "Hydroponics." These projects focus on efficient water use, sustainable agriculture, and the application of innovative technologies to address environmental and climate challenges.

For more information please click.

International conference co-organized by BSU successfully concludes

The III International Scientific Conference on “Conservation of Eurasian Biodiversity” was held in Nukus, Uzbekistan, on 16–18 October 2025, jointly organized by Andijan State University, Ege University, and BSU. BSU was represented by Professor Rovshan Khalilov, who highlighted Azerbaijani research in biodiversity conservation, chaired sessions, and established international collaborations. The conference focused on biodiversity protection, sustainable use of flora and fauna, ecosystem restoration, and modern environmental monitoring.

For more information please click.

Next seminar of the Student Scientific Society was held

BSU's Ecology and Soil Science Student Scientific Society held a seminar where Nubar Nasibova presented on atmospheric toxic elements and Mahammad Omarzade on microplastics in soil. The presentations sparked audience interest, followed by a Q&A session, and the speakers received certificates and books as gifts.

For more information please click.

Students of BSU visit the Vegetable Research Institute

BSU "BDU Volunteers" students from the Ecology, Soil Science, and Geography faculties visited the Ministry of Agriculture's Vegetable Research Institute. They learned about the Institute's research, observed lab work, and explored the greenhouse, where new tomato and cucumber varieties were presented.

For more information please click.

Scientific seminar held: Climate-adaptive cities: management models for reducing heat risks

At a scientific seminar held at the Faculty of Ecology and Soil Science of BSU, Şahnaz Amanova presented a report titled “Climate-Adaptive Cities: Management Models for Reducing Heat Risks (Case Study of Shirvan City).”

The study identified urban heat islands using satellite imagery and GIS technologies, analyzed landscape changes between 1975 and 2025, and mapped climate risk zones such as flooding, heat waves, and drought. Based on the results, management models were proposed to reduce these risks.

For more information please click.

Excursion to Baku Zoological Park organized

An excursion to Baku Zoological Park was organized for students by the Student Youth Organization and the Student Trade Union Committee of the History Faculty of BSU. During the visit, students toured the zoo's sections and received information about rare and protected animal species, their natural habitats, feeding habits, and conservation programs.

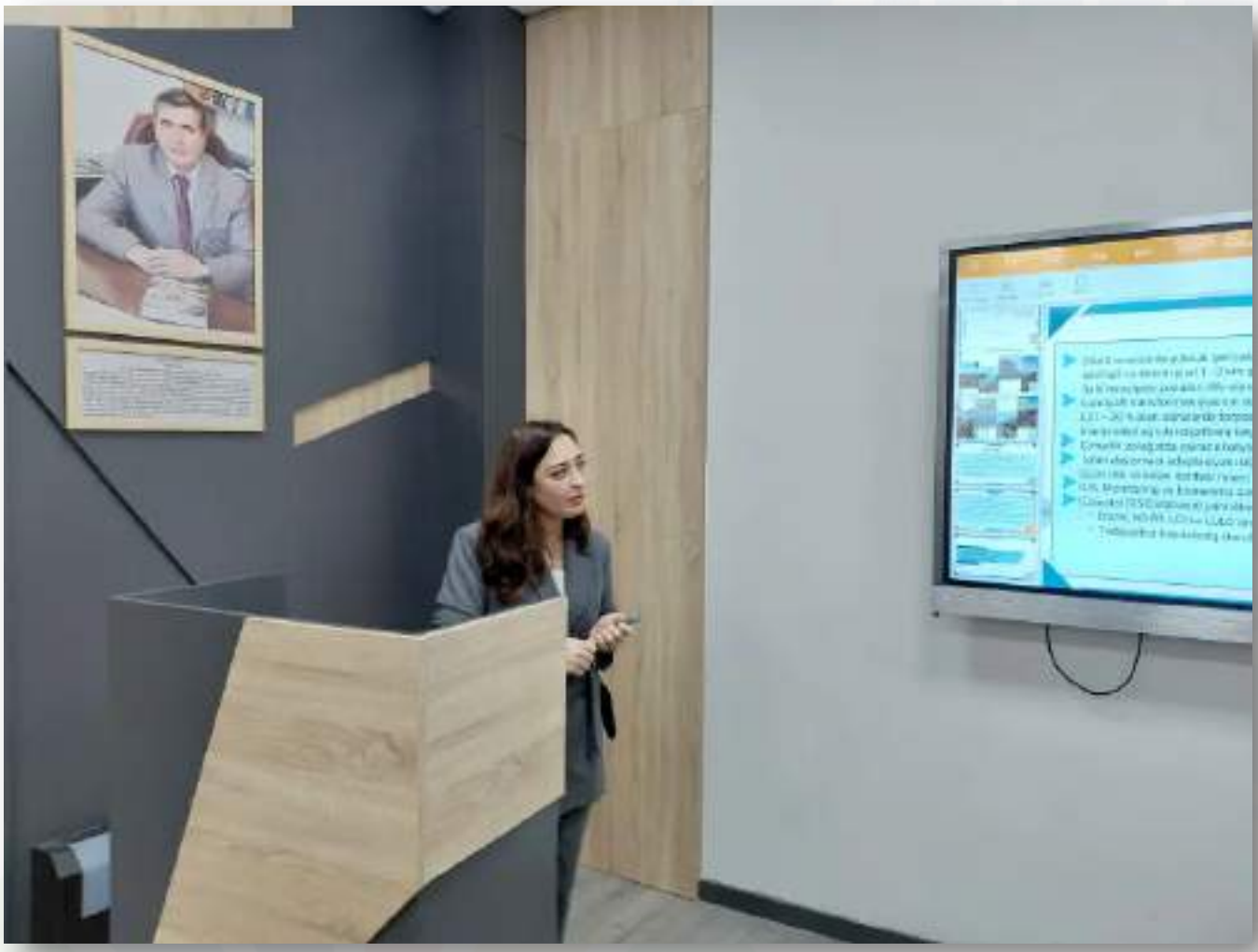
For more information please click.

Scientific seminar on the transformation of Caspian Coastal landscapes

At the Faculty of Geography of BSU, a scientific seminar was held on the transformation of Caspian coastal landscapes. Doctoral student Günay Abbasova presented research on the impact of anthropogenic factors on landscape changes in the Lankaran physical-geographical region.

The study analyzed the natural conditions of the region and identified intensive economic activity and population density as key drivers of landscape transformation. As a result, a zoning map was developed showing areas with different levels of transformation and preliminary assessments of ecological risk and coastal ecosystem resilience.

For more information please click.



Scientific seminar held: Ecological aspects of the use of polyene antibiotics in plant protection

On November 26, 2025, a scientific seminar was held at the Faculty of Ecology and Soil Science of BSU. Associate Professor Vafa Qasımova, Doctor of Biological Sciences, presented on “Ecological aspects of the use of polyene antibiotics in plant protection.”

Her research focused on using soil microorganisms, particularly Actinomycetes, to produce biologically active polyene antibiotics. These eco-friendly antibiotics were applied to vegetable crops in open-field and greenhouse conditions, showing high effectiveness against phytopathogenic bacteria and fungi. The antibiotics penetrate plant tissues efficiently, remain active under varying climatic conditions, and offer advantages over conventional plant protection agents.

For more information please click.

National Youth Climate Statement of Azerbaijan adopted at the UN Local Conference of Youth on Climate Change

The second day of “LCOY Azerbaijan 2025” – the UN Local Conference of Youth on Climate Change was held, organized by the EkoSfera Ecological-Social Center in partnership with BSU and Sea Breeze Resort.

During the event, Mukhtar Babayev emphasized that hosting COP29 in Azerbaijan is an important milestone in global climate diplomacy and highlighted the importance of active youth participation in this process. Other speakers also stressed the crucial role of young people in addressing climate challenges and building a sustainable future.

Within the framework of the conference, panel discussions were held on topics such as climate change, sustainable infrastructure, the circular economy, biodiversity conservation, and green jobs. At the end of the event, the initial draft of Azerbaijan’s National Youth Statement on Climate was adopted, which will contribute to the Global Youth Statement to be presented at COP30.

For more information please click.

Scientific seminar on the ecological problems caused by the mining industry

A scientific seminar titled “Investigation of Ecological Problems Caused by the Mining Industry in the Dashkasan District Using GIS Technology” was held at the Faculty of Geography of BSU.

During the seminar, the Dean of the Faculty, Maqsad Qocamanov, emphasized the importance of the topic in terms of ecological safety and sustainable development. The presenter, Ilhama Qaribova, provided information about the environmental impacts of the mining industry in the Dashkasan district, including soil degradation, forest transformation, and pollution of water resources. She also presented the results of research conducted using GIS technology, including the mapping of ecological risk zones.

The scholars who spoke at the seminar highlighted the relevance of the topic and recommended continuing further research in this field.

For more information please click.

Scientific seminar held

On November 25, 2025, BSU doctoral student Gunel Heydarzade presented a seminar on using the MNDWI index and satellite imagery to assess humidity in Lachin, Gubadli, and Zangilan districts. The study analyzed relief, climate, hydrography, vegetation, and soils from 2000 and 2021, mapping changes in forest and vegetation cover. Results showed significant shifts in moisture distribution, especially in shrublands, grasslands, non-forested, and sparse forest areas, providing insights for ecological monitoring and sustainable land management in the liberated territories.

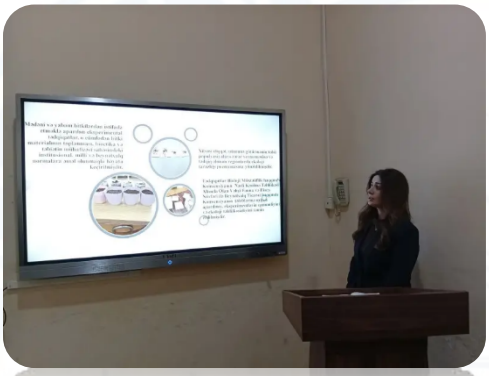
For more information please click.

Roundtable at BSU: “Constitution and natural resources from a scientific-legal perspective”

BSU hosted a roundtable titled “Constitution and Natural Resources,” organized by the student trade union committees of the Geology and Law faculties. Law student Roza Khalilova discussed Azerbaijan’s Constitution, its principles, and provisions on natural resource protection. Geology student Saima Annagiyeva highlighted the scientific and legal aspects of oil and geological research. The event included discussions on the Constitution’s impact on geological policy, state control of resources, and the development of scientific research.

For more information please click.

Scientific seminar held: Assessment of the Assimilation Potential of Coastal Landscapes of the Caspian Sea under Technogenic Impacts



PhD candidate Laman Guliyeva from the Department of Bioecology at the Faculty of Ecology and Soil Science of BSU delivered a scientific seminar devoted to the assessment of the assimilation potential of coastal landscapes of the Caspian Sea under technogenic impacts.

The research investigated the physicochemical and biological properties of soils in the coastal zone, the activity of microorganisms, and the level of degradation of pollutants.

For more information please click.

BSU becomes the South Caucasus leader in “UI GreenMetric 2025” Ranking

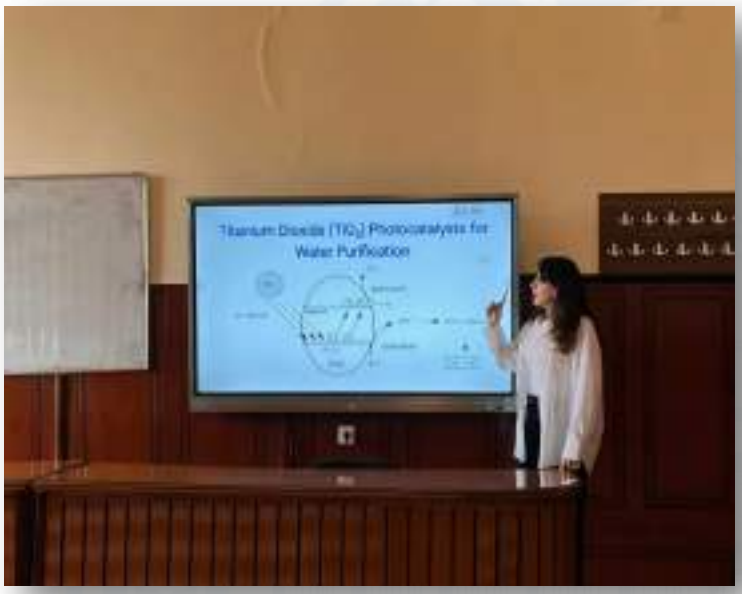
BSU has been recognized as the leader in the South Caucasus according to the “UI GreenMetric World University Ranking 2025,” ranking 493rd out of 1,745 universities and improving by 114 positions compared to the previous year. The ranking evaluates universities based on their ecological sustainability performance, and BSU achieved the highest position among Azerbaijani universities.

This achievement reflects the university’s ecological initiatives and the contributions of its students and academic staff to environmental protection. In the future, BSU aims to further expand the implementation of modern ecological practices, continue safeguarding the environment, and successfully fulfill its academic and social mission in the field of sustainable development.

For more information please click.

BSU students conduct scientific research on nanotechnologies and environmental safety

BSU's Faculty of Physics Student Scientific Society held a seminar where Shahane Isagova discussed nanotechnology in water purification, and Shahane Bahdudzadeh presented on environmental protection and safety, covering legal frameworks, resource management, pollution, and climate risks. The Faculty Dean, Bakhtiyar Pashayev, emphasized fostering student interest in scientific research.



For more information please click.

The 1st International Scientific Conference on "A Sustainable Future: Integrated Development of Earth Sciences and Ecology" is being held at BSU

The 1st International Scientific Conference "A Sustainable Future: Integrated Development of Earth Sciences and Ecology" was held at BSU with participation from 12 countries and 280 papers. BSU Vice-Rector Huseyn Mammadov highlighted Azerbaijan's efforts in green economy transition, climate change mitigation, and alignment with UN Sustainable Development Goals. The conference emphasized sustainable regional development, environmental protection, and the impact of global climate change on geology, ecology, and geography, with collaboration from international universities and research institutions.

For more information please click.

Scientific seminar on “Social Structure of Primates: The social brain hypothesis” held at BSU

BSU’s Faculty of Biology held a seminar where Associate Professor Sevinc Humbatova discussed primate social structures and the social brain hypothesis, highlighting the evolutionary role of social interactions, the link between brain size and cognitive abilities, and the complexity of primate societies.

For more information please click.

Participation in the final of the “Earth Observation” competition

Dissertation candidate Tahir Yunuslu and doctoral student Ramil Hasanov from BSU reached the final stage of the “Earth Observation” competition organized by Azercosmos. Yunuslu’s project focused on creating a GIS for the Mud Volcanoes Group State Nature Reserve, analyzing relief, vegetation, fauna, and landscape dynamics, while Hasanov studied the impact of the Caspian Sea’s declining water level on biodiversity in Gizilaghaj National Park. The competition, themed “Map of the Future” and dedicated to the 5th anniversary of the 2020 Patriotic War Victory, received 293 applications, with 50 projects advancing to the final, covering AI, environmental protection, cartography, and other topics, prioritizing young researchers.

For more information please click.

Excursion and agro-Training organized at BSU for Children of the Child Shelter Reintegration Center

Within the framework of the “100 Days – 100 Initiatives” campaign of the Regional Development Public Union, an excursion and agro-training was organized at Baku State University for children from the “Azerbaijan’s Children” Public Union – Child Shelter Reintegration Center as part of the “Agro School” project.

Participants visited the aquaponic and hydroponic systems laboratory located in the university’s “Eco Space” project area and received information about hydroponic technologies and soilless plant cultivation. During the excursion, they also visited the Genetics and Evolution Museum and the Mineral Resources Museum of the university.
For more information please click.

CONCLUSION

The efforts of BSU underscore the critical importance of protecting terrestrial ecosystems and biodiversity as a foundation for sustainable development. By integrating scientific research, technological innovation, legal analysis, and international collaboration, BSU plays a pivotal role in conserving natural habitats, managing land sustainably, and restoring degraded ecosystems in Azerbaijan and the broader South Caucasus region. The university's work encompasses a wide range of activities, including ecological monitoring, species conservation, habitat restoration, and the application of advanced technologies such as remote sensing, GIS mapping, and AI-based ecosystem modeling.

These initiatives not only protect rare and endangered species but also enhance ecosystem resilience, mitigate the impacts of human activity, and provide data-driven insights to guide policy and management decisions. Furthermore, BSU fosters environmental awareness and capacity-building among students, researchers, and local communities, ensuring that ecological stewardship becomes an integral part of society. By contributing to both national and international sustainability efforts, Baku State University strengthens Azerbaijan's role in achieving Sustainable Development Goal 15, safeguarding life on land for future generations, and promoting ecological balance, resilience, and sustainable use of natural resources at regional and global levels.

SDG FOCUSED MEMBERSHIPS

aashe member
The Association for the Advancement of Sustainability in Higher Education

CANIE
climate action network

WAITRO

GUNI
GLOBAL UNIVERSITY NETWORK FOR INNOVATION

ISCN
International Sustainable Campus Network

SDG FOCUSED RANKING RESULTS

Rated for Excellence

Baku State University

Through rigorous and independent data collection and analysis of performance metrics as set out in the QS Stars™ methodology Baku State University has been awarded 5 Stars.

TEACHING	FACILITIES
EMPLOYABILITY	GOOD GOVERNANCE
ENVIRONMENTAL IMPACT	ACADEMIC DEVELOPMENT
GLOBAL ENGAGEMENT	CHEMISTRY
DIVERSITY, EQUITY & INCLUSION	

QS Stars

The QS Stars™ rating system evaluates universities across a wide spectrum of important performance indicators as set against pre-established international standards. By assessing a broader scope of criteria than any world ranking exercise, QS Stars™ illuminates the unique strengths and diversity of the rated institution with both precision and clarity.

Leigh Kamolins, Head of Evaluation

QS WORLD UNIVERSITY RANKINGS

SUSTAINABILITY RANKINGS 2025

Baku State University

941-950

in overall performance

December 2024

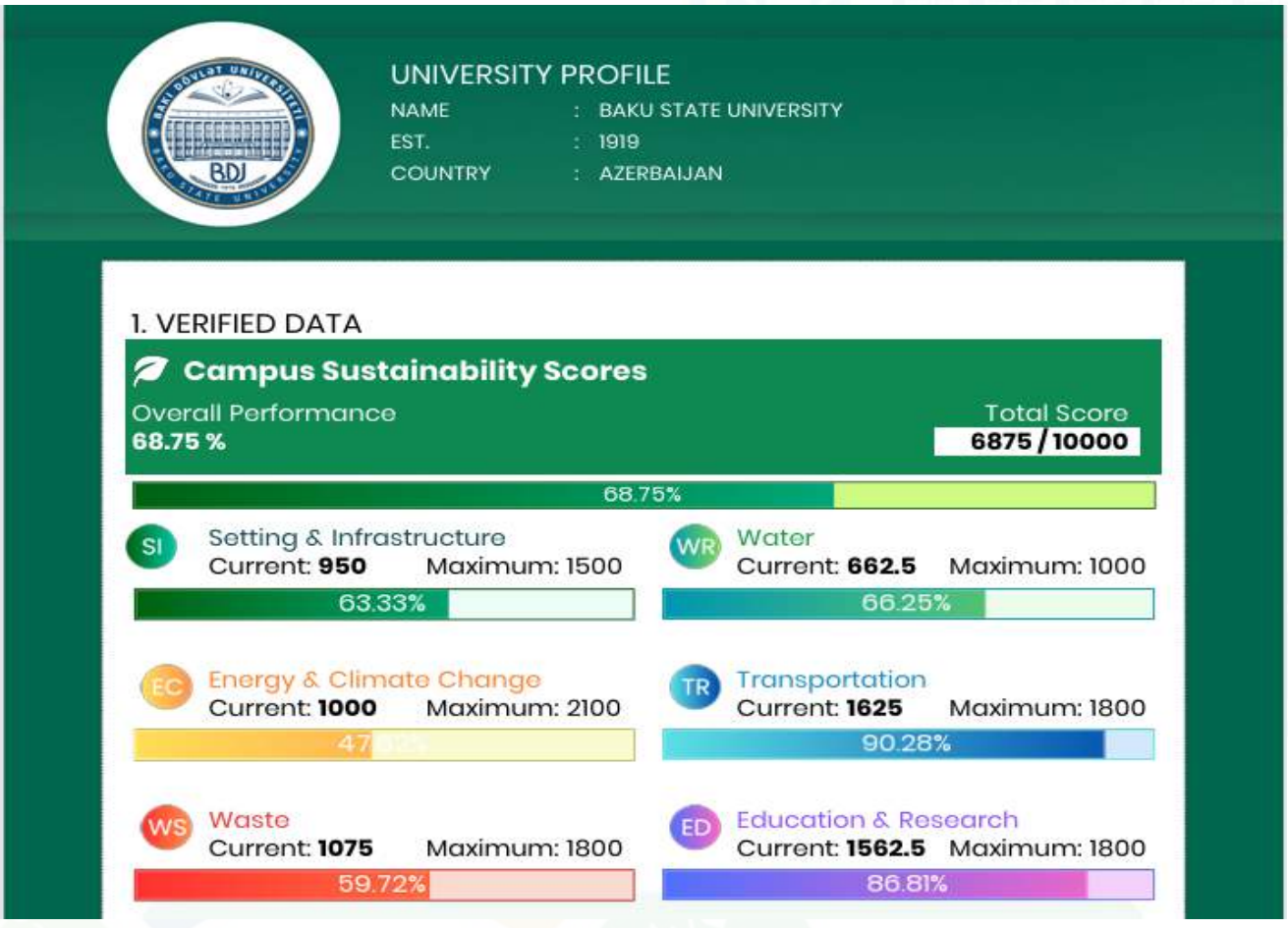
Date

Ben Sowter
Senior Vice-President
QS Quacquarelli Symonds

4. RANKING IN AZERBAIJAN

Country Ranking	SI Ranking	EC Ranking	WS Ranking	WR Ranking	TR Ranking	ED Ranking
1	2	11	3	5	1	2

2. RESULTS SUMMARY
World Ranking
493
SI Ranking
660
EC Ranking
1102
WS Ranking
654
WR Ranking
607
TR Ranking
98
ED Ranking
239
3. WORLD RANKINGS HISTORY
2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025
95 178 215 301 360 407 516 619 719 780 932 956 1050 1183 1477 1745
607 493
Ranking
Total University


UNIVERSITY PROFILE
NAME : BAKU STATE UNIVERSITY
EST. : 1919
COUNTRY : AZERBAIJAN
1. VERIFIED DATA
Campus Sustainability Scores
Overall Performance
68.75 %
Total Score
6875 / 10000
68.75%
SI Setting & Infrastructure
Current: 950 Maximum: 1500
63.33%
WR Water
Current: 662.5 Maximum: 1000
66.25%
EC Energy & Climate Change
Current: 1000 Maximum: 2100
47
TR Transportation
Current: 1625 Maximum: 1800
90.28%
WS Waste
Current: 1075 Maximum: 1800
59.72%
ED Education & Research
Current: 1562.5 Maximum: 1800
86.81%

15 LIFE ON LAND

THE IMPACT RANKINGS

OVERALL RANK

401–600 out of **2318** institutions

OVERALL SCORE

71.8 out of **100**

15 LIFE ON LAND

SCORE **66.2**

RANK **101–200** out of **854** institutions

SCORE
44.3

Research on land ecosystems

27% OF THIS SDG

SCORE
60.8

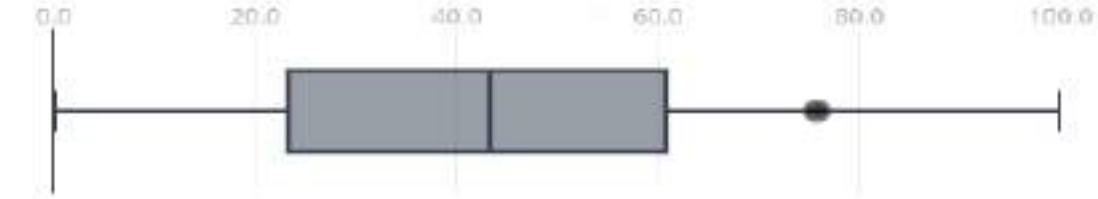
Supporting land ecosystems through education

22% OF THIS SDG

SCORE
75.8

Supporting land ecosystems through action

27% OF THIS SDG



SCORE
86.1

Land sensitive waste disposal

23% OF THIS SDG

SDG FOCUSED RESEARCH

BSU is actively advancing Sustainable Development Goal 15: Life on Land through biodiversity conservation, sustainable land management, and ecosystem restoration in Azerbaijan and the South Caucasus. Researchers at BSU are addressing key challenges such as habitat degradation, deforestation, land-use pressures, and the protection of rare and endangered species. Their studies include monitoring algal diversity and freshwater ecosystems in Samur-Yalama National Park, using advanced modeling like MaxEnt to assess fire risks and threatened plant species, and examining biodiversity legislation to align with international standards.

BSU also employs remote sensing, AI-based vegetation mapping, and genetic research on species like Pterocarya fraxinifolia to conserve genetically diverse habitats in the Hyrcan forests. Interdisciplinary work on soil erosion, land degradation, and forest management provides actionable strategies for sustainable land use and habitat restoration. These initiatives demonstrate BSU's commitment to protecting terrestrial ecosystems, supporting global sustainability, and ensuring Azerbaijan's biodiversity is preserved through scientific, technological, and legal approaches.

1. Authors: Abiyev Y., Mukhtarova S., Muradova A., Markova L.M., Hasanova G.
Focus: Freshwater algal diversity and ecological health in Samur-Yalama National Park.
Methods: Field survey documenting algal taxa, ecological and water quality assessment.
Findings: Identified 46 algal taxa, with many new regional records; pristine waters had sensitive species, nutrient-enriched areas had tolerant ones.
Recommendation: Use results as baseline for biomonitoring and conservation in the South Caucasus.
Full text

2. Authors: Teymurova V.E., Abdullayeva S., Muradova K., Aslanova M.M., Bayramli M.
Focus: Environmental challenges and their economic impacts in Azerbaijan.
Methods: Analysis of air, land, and water resource issues and their economic implications.
Findings: Pollution, land degradation, and water scarcity constrain growth; weak

vocational education hinders green transition.
Recommendation: Strengthen education, human capital, and international cooperation to reduce risks and enhance competitiveness.
Full text

3. Authors: Abiyev Y., Eker R., Acil A., Coskuner K.A.
Focus: Fire susceptibility of rare plants in Samur-Yalama National Park.
Methods: MaxEnt modeling of fire risk for 21 rare plant species.
Findings: 12.56% of park highly fire-prone; Red Book species (e.g., *Alcea kusariensis*, *Orchis purpurea*) at risk; AUC = 0.855 showed good model accuracy.
Recommendation: Integrate fire risk maps into biodiversity conservation strategies.
Full text

4. Authors: Bougdour N., Ali I., Bakas I., Assabbane A., Imanova G.T.
Focus: Effects of landfill leachate on basil and alfalfa growth.
Methods: Experimental comparison of raw leachate, UV-treated leachate, and well water.
Findings: Raw leachate inhibited germination; UV-treated leachate improved germination, chlorophyll, and biomass.
Recommendation: Apply UV treatment for safe reuse of leachate in irrigation.
Full text

5. Authors: Amiraslanova M.S., Həsənova-Babazade R., Musabayli K.
Focus: Vegetation mapping with AI, UAV, and satellite imagery.
Methods: Machine learning and deep learning for plant classification and feature extraction.
Findings: Accurate mapping over large areas supports biodiversity and climate monitoring.
Recommendation: Expand AI-based remote sensing tools for environmental management.
Full text

6. Authors: Mikhnevych L.V., Luchko I., Gahramanova N., Dubova O., Myskovets I.
Focus: Comparative biodiversity conservation laws in Ukraine and Azerbaijan.
Methods: Legal analysis of national legislation and international standards.
Findings: Ukraine focuses on national parks; Azerbaijan integrates traditional knowledge; gaps in harmonization exist.
Recommendation: Strengthen legal alignment with global standards and promote cross-border cooperation.
Full text

7. Authors: Ayazoglu R.A., Alisoy G.T., Akbulut S., Ağirman Aydin T.
Focus: Nonlinear parabolic equations with p(·)-Laplacian.
Methods: Analytical method proving global existence and decay of solutions.
Findings: Established precise decay estimates before extinction time.
Recommendation: Apply method for solving broader nonlinear differential equation models.
Full text

8. Authors: Karimova T.
Focus: Legal protection of plant varieties in Azerbaijan.
Methods: Analysis of national legislation and international treaties (e.g., UPOV).
Findings: Azerbaijan applies sui generis protection but has legislative gaps.
Recommendation: Reform laws to align with best practices and strengthen IP protection.
Full text

9. Authors: Togola A., Yusifova M., Sadigova N.A., Akhundova A., Karimova L.R.
Focus: Ecological condition of arid forests in Ajinohur foothills.
Methods: Field surveys (2021–2022) and GIS-based mapping.
Findings: Only 7.2% of forests unaltered; heavy modification due to agriculture; lowland forests most degraded.
Recommendation: Implement urgent restoration and sustainable land-use policies.
Full text

10. Authors: Rahimli S.
Focus: Soviet Russia’s aggression against the Azerbaijan Democratic Republic (ADR).
Methods: Historical and legal analysis under international law frameworks.
Findings: Aggression violated 1907 Hague Convention; annexation did not erase ADR’s international legal status.
Recommendation: Recognize continuity of ADR and strengthen legal narratives of sovereignty.
Full text

11. Authors: Ayazoglu R.A., Akkoyunlu E.
Focus: p(·)-Laplace equations with nonstandard nonlinearity.
Methods: Mathematical analysis with homogeneous Dirichlet boundary condition.
Findings: Proved global existence of weak solutions; identified extinction/non-extinction conditions.
Recommendation: Extend framework to multidimensional and applied models.
Full text

12. Authors: Ibadullayeva S.J., Huseynova I.M.
Focus: Plant diversity and conservation in Azerbaijan.
Methods: Flora analysis, land-use mapping, and rare species documentation.
Findings: Nearly 5,000 taxa recorded; 20% need protection; ~800 species highly threatened.
Recommendation: Prioritize conservation in Talysh, Nakhchivan, and Caucasus regions.
Full text

13. Authors: Maharramova E., Huseynova I., Kolbaia S., Gruenstaeudl M., Borsch T.
Focus: Genetic diversity of *Pterocarya fraxinifolia* in South Caucasus.
Methods: Genetic and phylogeographic analysis across Colchis and Hyrcan refuges.
Findings: Hyrcan populations more diverse; species colonized northwest from southeast pre-LGM.
Recommendation: Prioritize Hyrcan populations for conservation.
Full text

14. Authors: Bayramov E.R., Buchroithner M.F., Bayramov R.V.
Focus: Vegetation recovery and erosion risks along BTC and SCP pipelines.
Methods: NDVI satellite analysis and USLE erosion modeling.
Findings: Vegetation recovery in 5.40 km²; erosion mostly low but some hotspots persist.
Recommendation: Continue monitoring pipeline corridors for vegetation and soil stability.
Full text

15. Authors: Shakhmurov V.B., Sahmurova A.
Focus: Singular perturbation in parabolic differential-operator equations.
Methods: Mathematical modeling with applications to phytoremediation.
Findings: Established uniform well-posedness of parameter-dependent problems.
Recommendation: Apply framework for environmental and biological system modeling.
Full text

16. Authors: Rustamov R.B., Salahova S.E.
Focus: Climate change impacts on flooding in Azerbaijan.
Methods: GIS and satellite-based flood pattern analysis.
Findings: Strong correlation between climate change and increasing flood frequency/severity.
Recommendation: Strengthen flood monitoring and integrate climate change adaptation.
Full text

17. Authors: Noack F.A., Hidayatov A.
Focus: Deforestation drivers in Talysh Mountains.
Methods: Socio-economic and environmental assessment.
Findings: Illegal logging and fuelwood dependence drive forest loss; poor governance exacerbates.
Recommendation: Provide property rights, alternative energy, and income to reduce deforestation.
Full text

For all SDGs related articles please visit: Scopus - Baku State University

SDG contributions

Goal 1: No poverty	9 documents	Goal 10: Reduced inequalities	40 documents
Goal 2: Zero hunger	74 documents	Goal 11: Sustainable cities and communities	37 documents
Goal 3: Good health and well-being	241 documents	Goal 12: Responsible consumption and productio	44 documents
Goal 4: Quality education	21 documents	Goal 13: Climate action	55 documents
Goal 5: Gender equality	12 documents	Goal 14: Life below water	50 documents
Goal 6: Clean water and sanitation	83 documents	Goal 15: Life on land	31 documents
Goal 7: Affordable and clean energy	353 documents	Goal 16: Peace, justice and strong institutions	36 documents
Goal 8: Decent work and economic growth	68 documents	Goal 17: Partnership for the goals	47 documents
Goal 9: Industry, innovation and infrastructure	101 documents		

Baku State University

2025 REPORT ON

SDG 16: PEACE, JUSTICE AND STRONG INSTITUTIONS

Introduction

Baku State University actively contributes to Sustainable Development Goal 16 by fostering a diverse and inclusive governance structure, supporting students through an independent student union, and engaging with local stakeholders. BSU provides expert advice to government bodies, offers capacity-building initiatives for policymakers, conducts policy-focused research in collaboration with government departments, and provides a neutral platform for open discussions. Additionally, the Criminal Law Association at BSU promotes free exchange of ideas and values through social media. These initiatives collectively reflect BSU's dedication to promoting peace, justice, and strong institutions in its academic and societal engagements.

The Scientific Council of BSU serves as the central governing body, responsible for the overall management of BSU. It operates as a collegial body, indicating that decisions are made collectively, involving various members' input and expertise. The pivotal role of the Rector, who heads the Scientific Council, highlights their leadership in guiding the university's scientific initiatives and academic pursuits. The establishment and functioning of the Scientific Council are outlined in the "Regulation on the Scientific Council of Baku State University". This regulation provides the framework within which the Scientific Council operates, defining its responsibilities and decision-making processes.

BSU's commitment to promoting equality diversity and inclusion (EDI) among its academic, administrative staff and students, in accordance with its policy, reflects a proactive approach to promoting a diverse and inclusive environment within the university community. In addition, the composition of the Academic Council reflects the comprehensive representation of the university's stakeholders. The Academic Council includes the Rector, vice-rectors, advisors, academic secretaries, deans, heads of various departments, as well as representatives of the teacher and student trade union committees, student youth organizations, the Student Scientific Society, the veterans' council, and the teaching and methodological council.

This diverse representation within the Scientific Council aligns with the university's EDI policy (Policy on equality, diversity, and inclusion), as it not only ensures participation from different academic and administrative roles but also includes student representatives and voices from various committees and organizations. Such inclusivity at the decision-making level can contribute significantly to fostering a more equitable and diverse university environment, promoting collaboration, understanding, and mutual respect among all stakeholders. Overall, the outlined approach emphasizes BSU's dedication to embracing EDI principles throughout its governance structure.

At the same time, BSU’s Trade Union Committee, as described, plays a vital and multifaceted role in the well-being of the university's employees. Its diverse activities, ranging from improving social conditions and providing affordable catering to reinforcing labor discipline and ensuring the health and protection of employees, showcase a comprehensive approach to employee welfare. The Committee's commitment to tasks like regulating daily activities demonstrates its dedication to enhancing the overall work environment. According to the Accommodation Policy, BSU's provision of exceptions and financial assistance to students and employees from socially vulnerable groups signifies a commendable commitment to fostering inclusivity and accessibility in higher education and employment. By offering support to those in need, the university demonstrates a socially responsible approach, ensuring that education and employment opportunities are accessible to individuals facing economic challenges.

Independent students' unions

BSU has various organizations in which students actively participate. Those organizations operate on priorities, as stated in the University's Student Led Society Policy.

The Student Trade Union Committee

The Student Trade Union Committee is highlighted as a cornerstone of student representation, demonstrating its significance through its large membership base of over 18,000 students. Its pivotal role in university affairs is indicative of its effectiveness in advocating for student interests and concerns.

The Student-Youth Organization (STU), established in 2005, serves as a dynamic platform for student participation. Its multifaceted programs, encompassing faculty meetings, event coordination, philanthropic initiatives, and concert planning, reflect a comprehensive approach to student engagement, fostering a vibrant campus life.

The Union of Independent Students (UIS), with its commitment to democratic values and inclusivity, shows a commendable dedication to promoting student rights. Its involvement in academic pursuits, athletics, and cultural exhibitions underscores its multifaceted role, providing students with avenues for self-expression and personal development.

The BSU Volunteers Organization, founded in 2019, exemplifies the spirit of social and civic activism. With approximately 1000 student volunteers, their active participation in various events andactions demonstrates atrong

commitment to community service, making

a positive impact within both the university and the wider society.

The Young Scientists Council serves as a breeding ground for aspiring researchers and innovators, offering a platform for development, international collaboration, and commercial research. Their involvement in scientific research, international activities, media strategy, and commercialization efforts signifies their proactive role in advancing research initiatives.

The Student Scientific Society plays a crucial part in BSU's research landscape, fostering research-based initiatives, competitions, seminars, and collaborations. By coordinating faculty-specific scientific societies and enhancing the quality of education and research, they contribute significantly to the academic excellence of the university.

The active participation of the students from the Faculty of Law at BSU in events organized by the Azerbaijan representation of the **European Lawyer Students Association (ELSA Azerbaijan)** is a testament to the international engagement and academic enthusiasm within the university. This collaboration highlights the proactive approach of BSU's law students, showcasing their eagerness to broaden their horizons beyond traditional academic boundaries. By engaging with ELSA

Azerbaijan, students can connect with a broader legal community, participate in international events, and gain valuable insights into global legal practices and perspectives.

Local stakeholders: BSU's proactive approach to fostering collaboration with stakeholders reflects a commendable dedication to enhancing the career prospects of its students. By consistently engaging with external partners, the university demonstrates a keen understanding of the evolving demands of the labor market. The university's commitment to deep analysis of current labor market needs showcases a forward-thinking mindset. This strategic approach not only benefits students by aligning their education with real-world requirements but also strengthens the university's reputation as an institution dedicated to producing industry-relevant graduates. BSU's emphasis on cooperation and market analysis exemplifies its commitment to preparing students for successful and meaningful careers. Such initiatives not only empower students with practical skills and knowledge but also contribute significantly to the overall socio-economic development of the region by producing skilled professionals tailored to the demands of the contemporary job market.

BSU's commitment to sustainable investment, as outlined in its Sustainable Investment Policy, reflects a forward-thinking and socially responsible approach. The university's dedication to promoting sustainable services through various communication channels demonstrates a proactive effort to engage both internal and external stakeholders. The emphasis on establishing partnerships with companies and organizations that prioritize fair labor practices, engage with stakeholders, and demonstrate a commitment to social welfare progress aligns with contemporary ethical standards and sustainability goals. By fostering collaborations with entities that share similar values, BSU not only reinforces its commitment to social responsibility but also contributes to broader societal progress. This policy signifies the university's awareness of its role as a catalyst for positive change. By promoting sustainable practices and engaging in ethical partnerships, BSU actively participates in building a more equitable and sustainable future. Such initiatives not only reflect the institution's commitment to ethical conduct but also inspire a culture of responsibility and social consciousness within the university community and beyond.

Criminal Law Association. The purpose and nature of the events organized by the Criminal Law Association.

Event Description	It describes the event as a regular meeting within the framework of the "Theoretical and Practical Exchange in Fighting Crime" project. This provides context about the event's focus on crime-related topics.
Guest Speakers	The statement mentions the invitation of well-known lawyers from various legal fields, which suggests a diverse range of expertise and knowledge-sharing opportunities for students.
Benefits for Students	It highlights the benefits for students, including the acquisition of theoretical and practical knowledge and advice on faculty life. This emphasizes the event's educational and mentorship aspects.

Student Interest

The statement indicates that the meeting generated significant interest among students and association members, underscoring its relevance and popularity within the faculty.

Content Shared

It mentions that the lawyers shared information about their professional activities, life experiences related to fighting crime, and challenging criminal cases. This provides insight into the valuable content of the event.

A curriculum or academic program in the field of Jurisprudence, specifically regarding the specialization in Anti-corruption law:

Clarity and Specificity	•The statement is clear and specific in terms of the date (14.09.2020) and the subject (Anti-corruption law) under discussion. This is essential for academic or administrative communication.
Curriculum Structure	•It mentions that "Anti-corruption law" is part of the elective subjects within the annual employee Curriculum for the "Jurisprudence" specialty. This provides insight into the structure of the curriculum and what students can expect in their program.
Specialization and Direction	•It highlights that "Anti-corruption law" is offered within the specialization of "Jurisprudence" and is part of the bachelor's professional period in the same field. This information helps students understand how the subject fits into their specialization.

Working with government:

Policy on equality, diversity, and inclusion (EDI) defines the legal service as a subsystem. The Faculty of Law of BSU provides expert services in the adoption of Plenum Decisions of the Constitutional Court of the Republic of Azerbaijan. Opinions are provided by expert lawyers in different legal

fields. BSU expresses its support for the establishment of sound legal thinking in the country and the correct application of laws.

Clarity

- The statement is clear and effectively conveys the services offered by the Faculty of Law.

Scope of Services

- It explains that expert lawyers from the faculty provide opinions on various legal fields, which indicates a broad range of expertise.

Purpose and Support

- The statement highlights the university's commitment to supporting sound legal thinking in the country and the proper application of laws. This demonstrates a commitment to the legal and constitutional framework of Azerbaijan.

Conciseness

- The statement is concise and to the point, making it easy to understand

Positive Tone

- The statement conveys a positive message about the university's role in supporting legal processes and the legal community in Azerbaijan

Outreach

- According to the Sustainable Procurement Policy Objectives one of the main goals is applying global best practices

Local

- "Young Talents" Lyceum under BSU is guided by the recommendations of the Scientific Council of BSU, as well as the latest achievements of modern pedagogy on education and upbringing, in addition to taking as a basis the exemplary educational programs of general education schools.

Regional

- Collaboration between BSU and partner universities. It covers a wide range of areas of cooperation, including education, research, innovation, commercialization of scientific knowledge, social life, and international relations. This demonstrates a comprehensive approach to collaboration. The mention of exchanging international experience indicates a commitment to cross-cultural learning and sharing best practices.

The Agreement on Cooperation between the Bar Association of the Republic of Azerbaijan and BSU signifies a significant collaboration between legal practitioners and academia, ensuring the alignment of legal education with the practical needs of the legal profession.

The Agreement on Cooperation between the General Prosecutor's Office and BSU emphasizes the importance of legal education and research in the context of the legal system, fostering an environment where academic knowledge contributes to the enhancement of the justice system.

The collaboration with the Intellectual Property Agency of the Republic of Azerbaijan highlights BSU's involvement in cutting-edge scientific research and innovation, particularly in the domain of intellectual property, demonstrating the university's commitment to advancing knowledge- based economies.

The meeting to discuss cooperation issues between the Training Center of the State Tax Service and BSU showcases BSU's dedication to enhancing professional skills and training, aligning the curriculum with the evolving needs of the financial sector, and preparing students for successful careers in taxation and related fields.

Collectively, these agreements exemplify BSU's proactive engagement with key institutions, ensuring that education is not confined within academic boundaries but extends into practical, real-world applications. This strategic approach not only enriches the learning experience for students but also bolsters the university's role as a pivotal player in shaping the future of various professional sectors in Azerbaijan.

The Criminal Law Association, established under the Department of Criminal Law and Criminology of the Law Faculty of BSU, creates an environment of free discussion by using various social network accounts.

The chairman of BSU Volunteers: Our organization has become a favorable platform for students development.

Volunteering in Azerbaijan is gradually becoming a lifestyle among young people and is being systematically developed as one of the priority directions of the state's youth policy. In this context, the "BSU Volunteers" organization stands out by bringing together thousands of students and actively participating in various social, environmental, and public-oriented projects and events. The organization's active role in environmental awareness, sustainable development initiatives, and international events such as COP29 has significantly contributed to shaping the sense of social responsibility and increasing the public activity of youth. Consequently, such activities can be valued as an important factor

serving to strengthen civil society, protect the environment, and ensure the social integration of young people.

For more information please click.

The State Youth Policy is being successfully implemented

Hundreds of social and cultural projects are being implemented at Baku State University to increase the public activity of students and staff and to expand cooperation with government and non-governmental organizations. In 2024, more than 900 events were organized at the university, including over 70 activities focused on environmental awareness within the framework of COP29 and the "Year of Solidarity for the Green World." These initiatives contributed to strengthening the role of youth in civil society, increasing public participation, and promoting the values of sustainable development.

For more information please click.

A forum dedicated to Azerbaijan Youth Day was held at BSU

A forum was held at Baku State University on the occasion of Azerbaijan Youth Day. The event underscored the role of National Leader Heydar Aliyev in shaping and advancing Azerbaijan's youth policy, as well as the state programs implemented under the leadership of President Ilham Aliyev aimed at supporting youth education,

employment, and the development of their creative and innovative potential. The forum also highlighted the public engagement of young people, their achievements in international competitions, and various scientific and technical initiatives carried out at the university. In addition, the winners of the "Young Scientist of the Year" competition, along with active students, were presented with awards in recognition of their accomplishments.

For more information please click.

A BSU staff member participated in an event on the topic of Cybersecurity in the Telecommunications Sector

Afsana Mustafazade, a specialist at Baku State University, participated in a roundtable discussion entitled "Cybersecurity in the Telecommunications Sector". The event addressed key issues

related to ensuring cybersecurity in the telecommunications industry, countering hybrid threats and disinformation, managing cyber incidents, and developing human capital in the field. In addition, an information exchange platform established by the National Cybersecurity Center of the State Security Service was presented during the discussion.

For more information please click.

Master class on the Topic "Combating Human Trafficking" at BSU

A masterclass on the topic "Combating Human Trafficking" was held at Baku State University for Social Work program students. During the training, information was provided regarding victims of human trafficking, and the measures taken in this

field both in Azerbaijan and globally were explained. Key topics included psychological intervention programs and the significance of a multidisciplinary approach. Students also became acquainted with practical examples concerning rehabilitation centers and success stories, and their questions were answered.
For more information please click.

The 10th anniversary of the establishment of the Student Law Journal was celebrated at BSU

A ceremony was held by the Student Scientific Society of the Faculty of Law at Baku State University to commemorate the 10th anniversary of the "Student Law Journal." The role of the journal in shaping students' scientific creativity and legal thinking, as well as its contribution to the development of legal science and young lawyers, was emphasized. During the ceremony, it was noted that the journal is indexed in international databases such as Scopus and HeinOnline, and is available in the libraries of prestigious institutions like UC Berkeley and Yale University, highlighting its significant contribution to advancing students' legal knowledge.
For more information please click.

Awareness event on Combating Environmental Crimes: Legal and Organizational Approaches held at BSU

An educational event titled "Combating Environmental Crimes: Legal and Organizational Approaches" was held for students at Baku State University. The event was organized to increase students' environmental awareness, enrich their legal knowledge, and strengthen their sense of social responsibility toward environmental protection. The lectures emphasized the liability and penalties for environmental

crimes under Azerbaijani legislation, as well as the enforcement of laws and the state's environmental policy. The event continued in an interactive format, enriched by students' questions and discussions.

For more information please click.

Republic-wide intellectual competition among youth held at BSU within the framework of the Year of the Constitution and Sovereignty

An intellectual legal competition titled "Legal Ring" was held among the country's youth at Baku State University within the framework of the "Year of Constitution and Sovereignty." The primary objective of the event was to increase legal knowledge among young people and raise awareness about human rights, the rule of law, and principles of public administration. During the competition, issues such as the role of the Constitution in protecting rights and freedoms, the restoration of sovereignty, and the strengthening of democratic values were emphasized.

For more information please click.

Brotherhood concert program held at BSU

A concert program titled "Brotherhood" was organized at Baku State University, initiated by the "BSU Volunteers," dedicated to the "Year of Constitution and Sovereignty" and the May 19 Commemoration of Atatürk, Youth and Sports Day. The event emphasized the historical friendship between Azerbaijan and Türkiye, shared national-cultural values, and the role of youth in the development of society. Featuring joint performances by students

from both countries, the concert served as a symbol of unity and contributed to strengthening solidarity among the youth.
For more information please click.

Meeting with active members of Youth Organizations at BSU

Elchin Babayev, the Rector of Baku State University, held a meeting with active members of the university's youth organizations, highly

commending their role in public life. During the meeting, it was emphasized that youth represent a vital force in the state youth policy, in being raised with a spirit of patriotism, and in the socio-cultural development of the university. The event was significant in terms of supporting youth initiatives and strengthening an active citizenship position.
For more information please click.

BSU Ranks in the Top 600 in the Times Higher Education Impact Rankings 2025

Baku State University (BSU) has secured a position among the top 600 universities globally in the 2025 Times Higher Education (THE) Impact Rankings, showing significant progress from its previous 1001-1500 range. Among 2,318 higher education institutions, the university was evaluated across 15 Sustainable Development Goals (SDGs) and achieved high global results in several areas,

including SDG 16 (Peace, Justice, and Strong Institutions). This achievement demonstrates the success of BSU's strategic reforms in sustainable development, social responsibility, and inclusive education.

For more information please click.

Two BSU students to receive Ombudsman Special Scholarship within the "Year of Constitution and Sovereignty"

Within the framework of the "Year of Constitution and Sovereignty," a special scholarship has been established by the Ombudsman for students of Baku State University (BSU). The scholarship is intended for two students with high academic performance in the Law and International Relations programs. This initiative aims to encourage student specialization in the field of human rights and to promote their scientific research activities.

For more information please click.

BSU students participate in “Cyber Summer School 2025”

Students from Baku State University (BSU) participated in the "Cyber Summer School 2025" summer camp. The event took place from July 21–26 at the "Bilgah" Recreation Center of the State Security Service

and offered practical trainings in cybersecurity, "Red Team" and "Blue Team" laboratory sessions, expert meetings, and international presentations. BSU students applied their theoretical knowledge to real-world scenarios, enhancing their experience in technology and international networks.

For more information please click.

Master class held at BSU in collaboration with the Media and Judicial Legal Council

Baku State University (BSU), the Media Development Agency, and the Legal Advisory Board jointly organized a masterclass for students of the Faculty of Journalism

titled "The Constitution of the Republic of Azerbaijan – A Solid Guarantee of Human Rights." The event featured discussions on the role of the Constitution, the protection of

human rights, national values, and civic responsibility. Students received answers to their legal questions during an interactive session.

For more information please click.

BSU's Legal Clinic expands its activities

The Legal Clinic operating under the Faculty of Law at Baku State University (BSU) has expanded its scope of activity. The clinic provides free legal assistance to low-income families and victims of cybercrime, offering practical support for the protection of rights and providing online consulting services. At the same time, it aims to contribute to the development of civil society by implementing training sessions and public awareness projects on increasing legal literacy, digital security, and the protection of human rights.

For more information please click.

Round table dedicated to the World Day for Decent Work held at BSU

A roundtable discussion dedicated to "Decent Work Day" was held at Baku State University (BSU). The event featured discussions on the concept of decent work, the protection of employees' labor rights, the prevention of discrimination, and the legal measures implemented in this field in Azerbaijan. During the presentations, it was emphasized that ensuring labor

rights plays a crucial role in strengthening the principles of social justice and the rule of law.

For more information please click.

BSU hosts “Youth Dialogue of the Future” event dedicated to the 80th Anniversary of the United Nations

An event titled "Youth Dialogue for the Future," dedicated to the 80th anniversary of the United Nations (UN),

was held at Baku State University (BSU).

The event emphasized the strengthening cooperation between Azerbaijan and the UN in the fields of peace, security, human

rights, and sustainable development, while noting that the university has enhanced its international standing through education, research, and ecological initiatives aligned with the SDGs. During the panel discussions, the role of youth as active partners in building a sustainable future, along with climate change and the green transition, was specifically highlighted.

For more information please click.

BSU Volunteers conduct civil court simulation

The first stage of a civil court simulation was held at the Binagadi District Court with the participation of law students. During the simulation, students gained practical knowledge regarding the conduct of court sessions, the presentation of parties' positions, the examination of evidence, and decision-making mechanisms. The event emphasized the crucial role of real court processes in legal education, and a separate competition with awards was arranged for observing students.

For more information please click.

An event titled “The role of the court in ensuring human and civil rights and freedoms” was held at BSU

An event dedicated to the role of courts in ensuring human and civil rights and freedoms was held at Baku State University (BSU) within the framework of the "Year of Constitution and Sovereignty." The event emphasized that

the judicial-legal reforms implemented in Azerbaijan in recent years serve to protect

human rights, strengthen the fair trial system, and promote constitutional values in society. During the speeches,

it was noted that legal education and the preparation of professional, ethical lawyers are key factors in the effective guarantee of rights and freedoms.

For more information please click.

Celebration of Victory Day at BSU

An event dedicated to November 8 – Victory Day was held at Baku State University (BSU). The ceremony began with participants laying flowers at the bust of National Leader Heydar Aliyev and the memorial corner dedicated to the

university's martyred graduates, followed by the National Anthem and a moment of silence for the martyrs. Rector

Elchin Babayev and other speakers emphasized the historical significance of Azerbaijan's victory in the Patriotic War,

the sustainable development and

peacebuilding projects in the liberated

territories, and stated that the Victory is eternally etched in the nation's history. The event concluded with an arts program prepared by the BSU Culture and Creativity Center.

For more information please click.

Roundtable at BSU: "Constitution and natural resources from a scientific-legal perspective"

A roundtable discussion titled "Constitution and Natural Resources: A Scientific-Legal Perspective" was held at Baku State University (BSU). The event was organized by the Student Trade Union Committees of the Faculties of Geology and Law within the framework of the "Year of Constitution and Sovereignty." During the event, students discussed the core principles of the Constitution, state sovereignty, territorial integrity, and the protection of human rights, as well as legislative aspects regarding the management and conservation of natural resources. The roundtable continued with interactive discussions on the interaction between scientific-research

and practical approaches in the fields of geology and law, and the efficient

management of natural resources.

For more information please click.

MLSPP holds an information session for BSU students on the advantages of civil service

An information session titled "Advantages of Civil Service, Reforms, and Future Perspectives" was held at Baku State University (BSU) by the Ministry of Labour

and Social Protection of the Population

(MLSPP). The event was attended by representatives from relevant MLSPP departments and undergraduate and

graduate students from various BSU faculties. During the session, information was provided on the benefits of civil service, the reforms carried out within the framework of the "Action Plan" of the Employment Strategy for 2020–2025, and future strategic plans; the session concluded with discussions and a Q&A.

For more information please click.

CONCLUSION

These key findings highlight the proactive and comprehensive approach of BSU in promoting SDG 16 principles. The university's efforts align with the goals of peace, justice, and strong institutions by ensuring inclusivity, representation, and open dialogue within its governance and educational structures. Furthermore, BSU's commitment to engaging with external stakeholders and fostering a culture of social responsibility underscores its significance in contributing to broader societal progress. Based on the information provided and the structure of the report, here are the key findings regarding BSU's engagement in Sustainable Development Goal (SDG) 16: Peace, Justice, and Strong Institutions:

• Governance and Inclusivity - The Scientific Council of BSU operates with broad representation, including the rector, vice-rectors, deans, student organizations, and staff, reflecting the university's commitment to equality, diversity, and inclusion.

• Student Engagement - The Independent Student Union, Student-Youth Organization, "BSU Volunteers," Young Scientists Council, and other student associations actively promote participation in academic, social, and civic activities.

Social Welfare and Support

BSU provides extensive social protection mechanisms, including financial assistance, exemptions for vulnerable groups, and policies ensuring accessibility and support for both students and staff.

Collaboration with Government and Legal Institutions

The university cooperates with the Constitutional Court, Prosecutor General's Office, Bar Association, Intellectual Property Agency, and Tax Service to integrate academic knowledge into practical legal and governance frameworks.

Anti-Corruption and Transparency

Through policies, training programs, and seminars, BSU fosters ethics, transparency, and integrity among students and staff.

Environmental Protection and ECOLEAD Project

The joint ECOLEAD platform with the Prosecutor General's Office and the Ministry of Ecology addresses environmental crimes, public awareness, and reforestation initiatives.

SDG FOCUSED MEMBERSHIPS

aashe member
The Association for the Advancement of Sustainability in Higher Education

CANIE
climate action network

WAITRO

GUNI
GLOBAL UNIVERSITY NETWORK FOR INNOVATION

ISCN
International Sustainable Campus Network

SDG FOCUSED RANKING RESULTS

Rated for Excellence

Baku State University

Through rigorous and independent data collection and analysis of performance metrics as set out in the QS Stars™ methodology Baku State University has been awarded 5 Stars.

★★★★★ TEACHING	★★★★★ FACILITIES
★★★★★ EMPLOYABILITY	★★★★★ GOOD GOVERNANCE
★★★★★ ENVIRONMENTAL IMPACT	★★★★★ ACADEMIC DEVELOPMENT
★★★★ GLOBAL ENGAGEMENT	★★★★ CHEMISTRY
★★★★★ DIVERSITY, EQUITY & INCLUSION	

QS Stars

The QS Stars™ rating system evaluates universities across a wide spectrum of important performance indicators as set against pre-established international standards. By assessing a broader scope of criteria than any world ranking exercise, QS Stars™ illuminates the unique strengths and diversity of the rated institution with both precision and clarity.

Leigh Kamolins, Head of Evaluation

QS WORLD UNIVERSITY RANKINGS
SUSTAINABILITY RANKING
RANKED
2025
QS WORLD UNIVERSITY RANKINGS
SUSTAINABILITY RANKINGS 2025
Baku State University
941-950
in overall performance
December 2024
Date
Ben Sowter
Senior Vice-President
QS Quacquarelli Symonds

UI GreenMetric
UNIVERSITAS INDONESIA
UI GreenMetric World University Rankings 2025
CERTIFICATE
This certificate is awarded to
Baku State University
as The 493rd World's Most Sustainable University
in 2025 UI GreenMetric World University Rankings
5 December 2025
Dr. Vishnu Juwono, S.E., MIA
Chairperson of UI GreenMetric

4. RANKING IN AZERBAIJAN

Country Ranking	SI Ranking	EC Ranking	WS Ranking
1	2	11	3

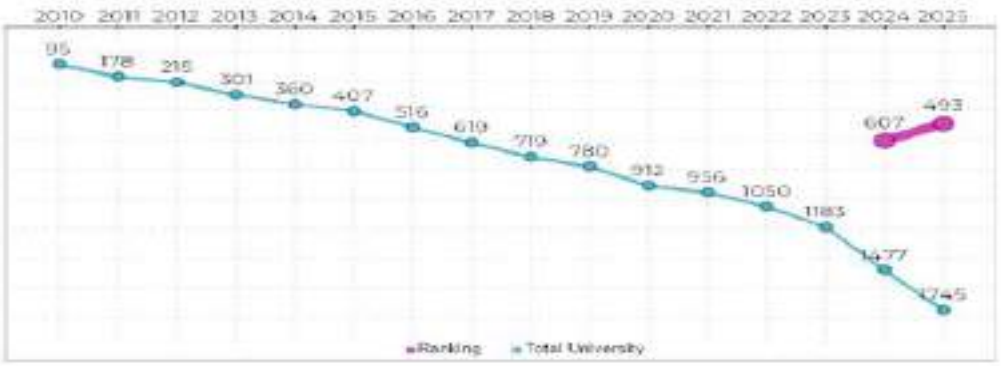
WR Ranking	TR Ranking	ED Ranking
5	1	2

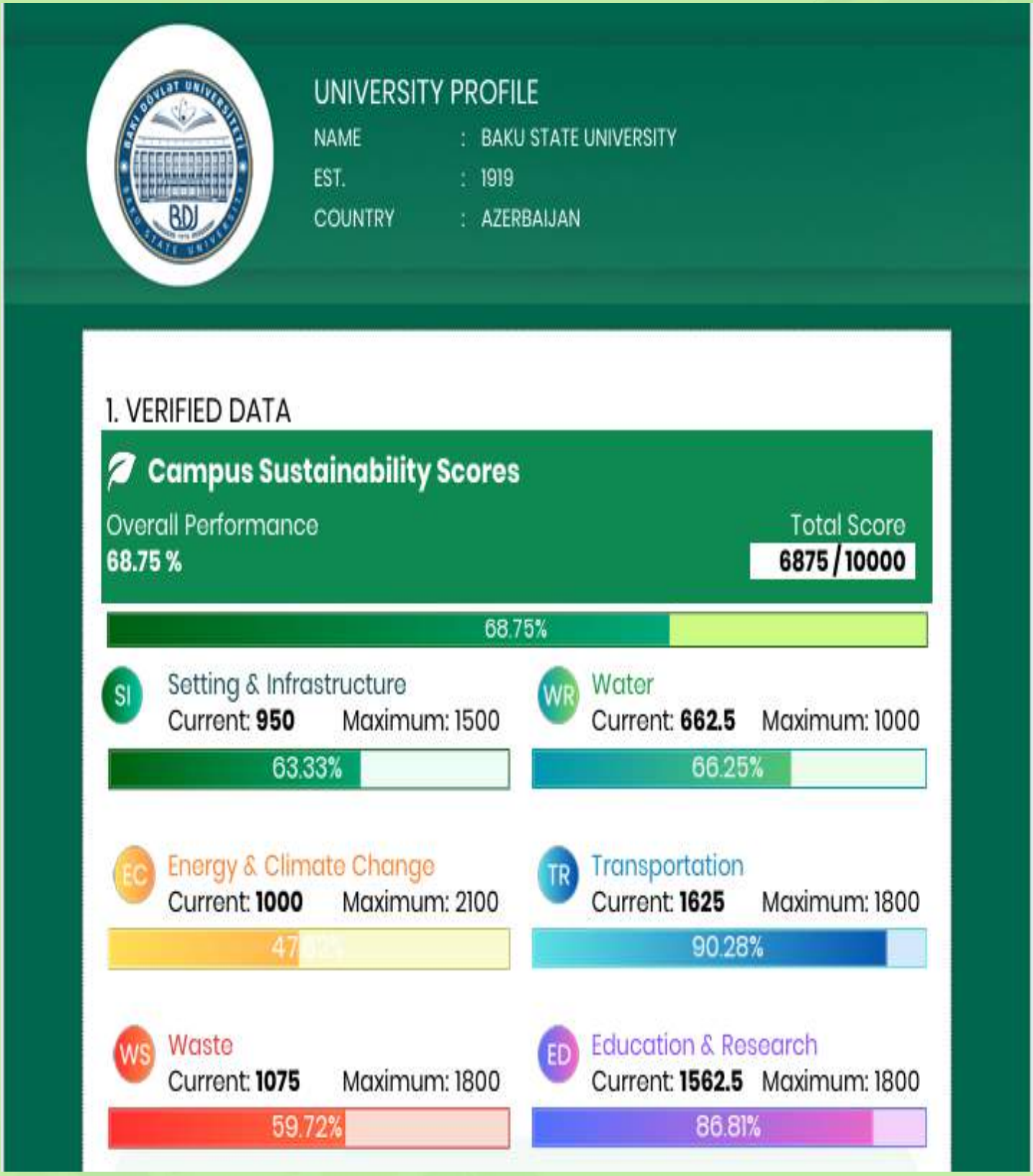
2. RESULTS SUMMARY

World Ranking	SI Ranking	EC Ranking	WS Ranking
493	660	1102	654

WR Ranking	TR Ranking	ED Ranking
607	98	239

3. WORLD RANKINGS HISTORY




UNIVERSITY PROFILE
NAME : BAKU STATE UNIVERSITY
EST. : 1919
COUNTRY : AZERBAIJAN
1. VERIFIED DATA
Campus Sustainability Scores
Overall Performance
68.75 %
Total Score
6875 / 10000
68.75%
SI
Setting & Infrastructure
Current: 950 Maximum: 1500
63.33%
WR
Water
Current: 662.5 Maximum: 1000
66.25%
EC
Energy & Climate Change
Current: 1000 Maximum: 2100
TR
Transportation
Current: 1625 Maximum: 1800
90.28%
WS
Waste
Current: 1075 Maximum: 1800
59.72%
ED
Education & Research
Current: 1562.5 Maximum: 1800
86.81%

THE IMPACT RANKINGS

OVERALL RANK

401–600 out of **2318** institutions

OVERALL SCORE

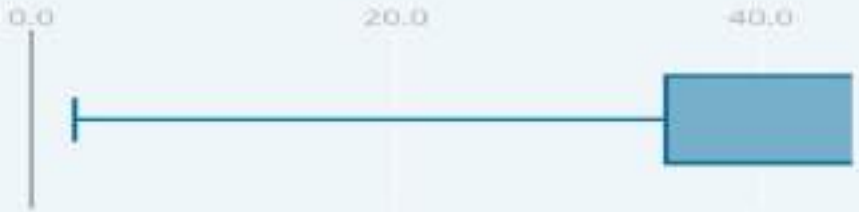
71.8 out of **100**

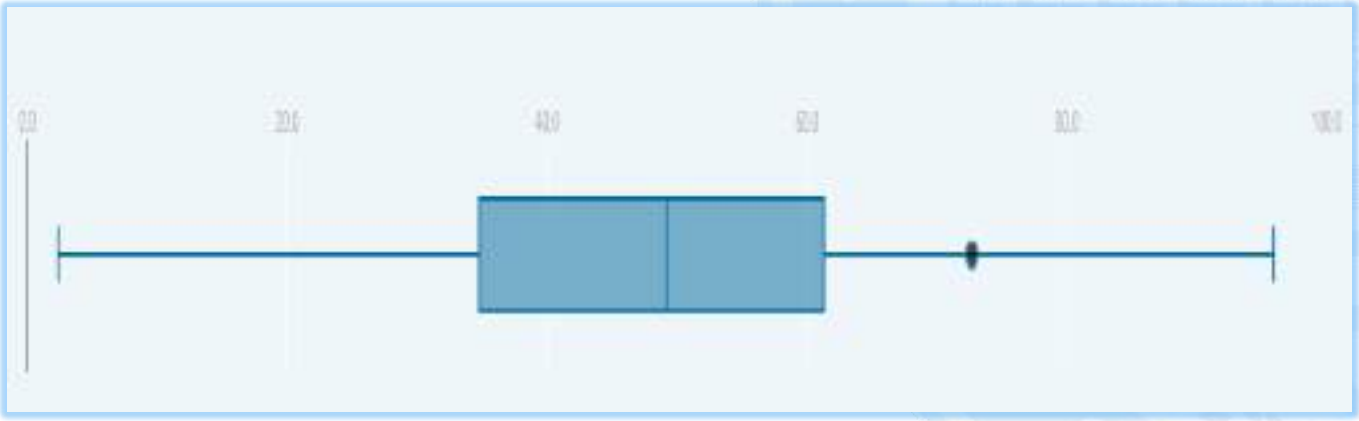
16

PEACE, JUSTICE AND STRONG INSTITUTIONS

SCORE
72.7

RANK
101–200 out of 1265 institutions



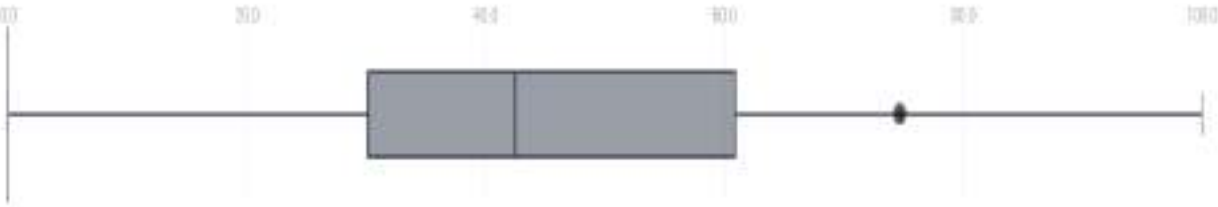


SCORE
52.4

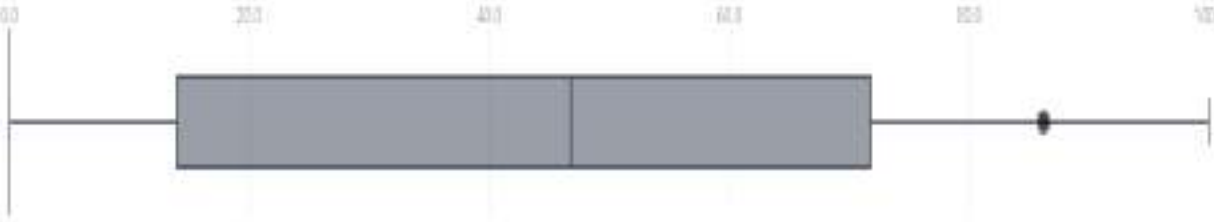
Research on peace and justice

79.8 University governance measures

74.7 Working with government



86.2 Proportion of graduates in law and civil enforcement



SDG FOCUSED RESEARCH

Baku State University (BSU) actively contributes to Sustainable Development Goal 16: Peace, Justice and Strong Institutions through its research and academic activities. As one of the leading research institutions in Azerbaijan, BSU supports the development of effective legal systems, the protection of human rights, and the promotion of transparent and accountable governance.

Research conducted by BSU scholars addresses a wide range of SDG 16–related topics, including judicial reforms, digital privacy rights, crime prevention, environmental law during armed conflicts, and the protection of cultural heritage in conflict zones. These studies also examine international legal frameworks such as the European Convention on Human Rights and explore broader issues related to post-conflict governance and global justice.

Through empirical studies, comparative legal analysis, and policy-oriented research, BSU provides valuable insights that support evidence-based policymaking and institutional development. By promoting academic dialogue on law, governance, and human rights, the university contributes to strengthening peace, justice, and resilient institutions at both national and international levels.

1. Authors: Mammadova, L.

Focus: Azerbaijan's 2023-2024 legal reforms on in absentia trials.
Methods: Comparative legal analysis with Germany, Italy, and Turkey.
Findings: New laws ensure fair trial rights with representation and appeal, but challenges remain in notifying defendants and enforcing outcomes.
Recommendation: Improve defendant notification and post-trial enforcement mechanisms.

🔗 Full text

2. Authors: Hashimova, L.F.

Focus: Relationship between cultural heritage protection and human rights.
Methods: Review of international legal documents, court practices, and case law.
Findings: Destruction of cultural heritage is a violation of human rights; growing legal trend integrates human rights into cultural heritage protection.
Recommendation: Strengthen international mechanisms linking human rights law and cultural heritage protection.

🔗 Full text

3. Authors: Asadov, J., Safarli, G.

Focus: Environmental damage caused by armed conflicts.

Methods: Review of international legal conventions, case study of Garabagh conflict.
Findings: Armed conflicts harm farmland, water, and ecosystems; international law offers limited retroactive remedies.
Recommendation: Apply and strengthen International Law Commission Draft Principles for environmental protection during war.

🔗 Full text

4. Authors: Khalilov, K.

Focus: Extraterritorial jurisdiction under the European Convention on Human Rights (ECHR).
Methods: Case law analysis of ECtHR decisions.
Findings: Jurisdiction applied via spatial, personal, and alternative models; crucial for balancing regional scope with broader human rights objectives.
Recommendation: Adopt flexible models to ensure broader human rights protection beyond state borders.

🔗 Full text

5. Authors: Humbatov, E.A.

Focus: Protection of privacy and personal data security in the virtual space.
Methods: Comparative analysis of Anglo-Saxon and European legal approaches.
Findings: Internet anonymity and borderless nature enable violations; existing frameworks differ in scope and enforcement.
Recommendation: Strengthen Azerbaijan's data protection laws by adopting best international practices.

🔗 Full text

6. Authors: Garashova, S.

Focus: U.S.-Azerbaijan relations (1991–2020).
Methods: Political, economic, diplomatic, and security analysis across four policy phases.
Findings: U.S. influence peaked with energy and democracy promotion but declined after 2015; Russia remains dominant.
Recommendation: Diversify Azerbaijan's foreign policy partnerships to balance declining U.S. engagement.

🔗 Full text

7. Authors: Rahimli, S.

Focus: Soviet Russia's aggression against the Azerbaijan Democratic Republic (ADR).
Methods: Legal analysis of 1907 Hague Convention and early 20th-century international law.
Findings: Soviet annexation did not erase ADR's international legal identity; Azerbaijan retained sovereignty under law.

Recommendation: Recognize continuity of ADR's legal identity in modern international law discourse.

🔗 Full text

8. Authors: Sevdimaliyev, R.M.

Focus: Rise and fall of the Sunni Awakening (Sahwa) movement in Iraq.
Methods: Historical-political analysis of tribal alliances and U.S. policy.
Findings: Movement weakened Al-Qaeda but collapsed due to political marginalization and U.S. missteps; many fighters later joined ISIL.
Recommendation: Future counterinsurgency strategies must ensure long-term political inclusion of local actors.

🔗 Full text

9. Authors: Aliyeva, Z.

Focus: Azerbaijan's crime prevention policies compared with international best practices.
Methods: Clustering methods (DBSCAN, K-Means) using 2021 crime and socio-economic data across 50 countries.
Findings: Azerbaijan clusters with Albania, Jordan, Mongolia, Romania, and Serbia; socio-economic context matters in policy adoption.
Recommendation: Adapt crime prevention models from comparable countries to Azerbaijan's context.

🔗 Full text

10. Authors: Aliyeva, Z.

Focus: Impact of state policy on violence and crimes against human life and health.
Methods: Statistical analysis using crime rates, homicide data, socio-economic, and institutional variables across developing and transitioning states.
Findings: Strong institutions, higher GDP, and minimum wages reduce violence; punitive measures are less effective than improving social welfare.
Recommendation: Focus on socio-economic development and support for vulnerable populations to reduce violent crime.

🔗 Full text

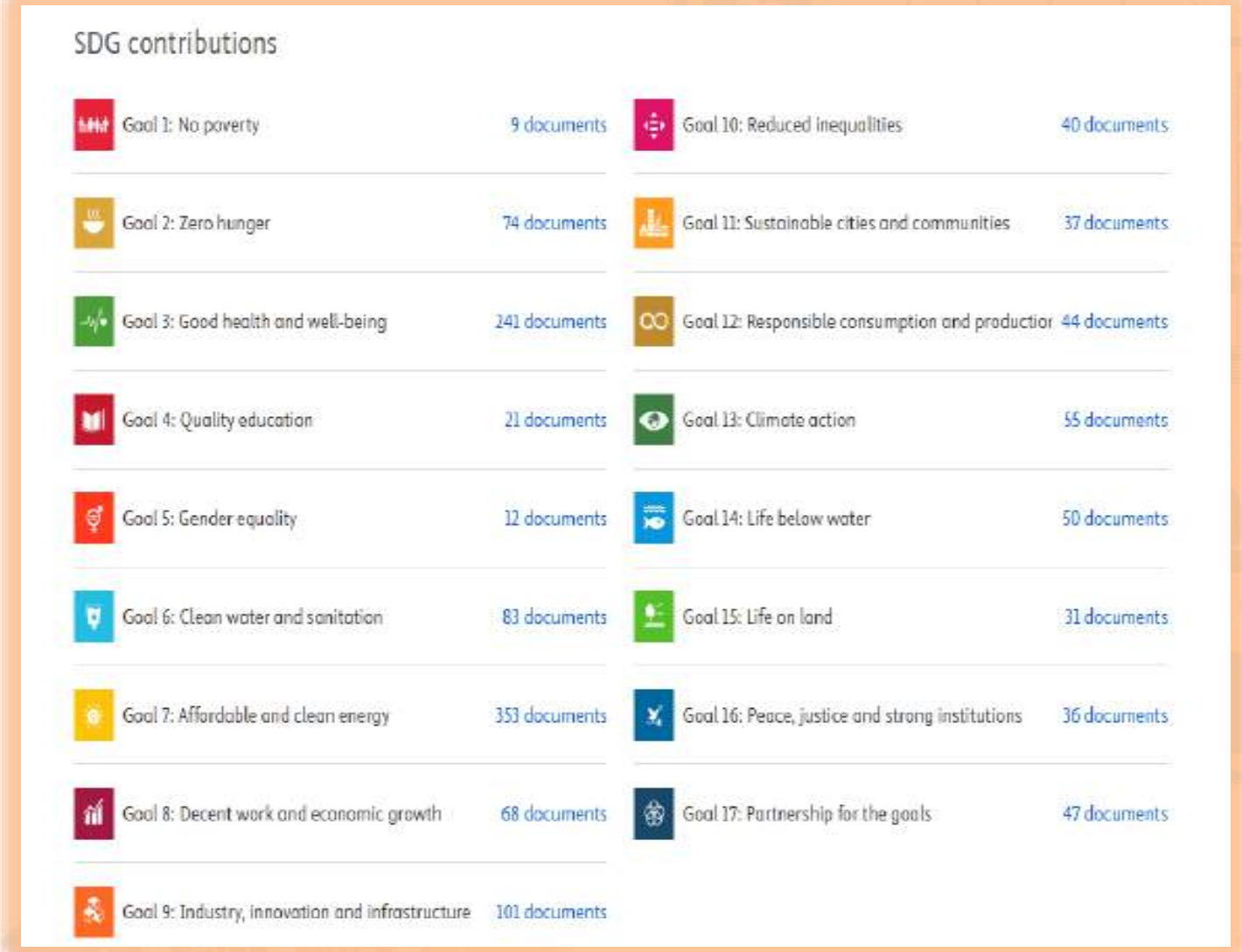
11. Authors: Karimova, T.

Focus: Development of the right to publicity as a form of intellectual property.
Methods: Comparative analysis of Anglo-Saxon and Romano-German legal traditions.
Findings: Increased commercial use of personal images raises conflicts with media freedoms and trademarks; Azerbaijani law lacks clear regulation.
Recommendation: Introduce legal reforms in Azerbaijan for registering personal identification as trademarks.

🔗 Full text

12. Authors: Shahbazov, I., Afandiyev, Z.
Focus: Gun culture and firearm ownership in post-conflict Azerbaijan.
Methods: Expert interviews and conflict-affected population surveys.
Findings: Low levels of gun crime; firearms mainly used for hunting and self-defense; absence of "conflict mentality" compared to other war-affected societies.
Recommendation: Maintain strict gun control policies to preserve low firearm-related crime rates.
🔗 Full text

For all SDGs related articles please visit: Scopus - Baku State University



Baku State University

2025 REPORT ON

17 PARTNERSHIPS FOR THE GOALS

INTRODUCTION

In recent years, the role of higher education institutions in supporting sustainable development has become increasingly important. Universities are expected not only to provide quality education but also to contribute to research, innovation, and cooperation that address global and societal challenges. Partnerships for the Goals, which emphasizes the importance of cooperation among institutions, governments, the private sector, and civil society to achieve sustainable development.

This report provides an overview of key activities carried out by BSU in the areas of international cooperation, academic partnerships, research collaboration, and institutional engagement. These activities include cooperation agreements with international universities and organizations, participation in international conferences and academic events, joint research initiatives, and collaboration with public and private sector partners.

Furthermore, there is a strong emphasis on creating opportunities for students and academic staff to participate in international programs, research projects, and educational initiatives that enhance academic development and professional skills. By promoting collaboration and supporting academic mobility, the university contributes to the development of a more connected and knowledge-based academic community.

Overall, these initiatives reflect BSU's commitment to strengthening partnerships, expanding international cooperation, and supporting sustainable development through education and research.

For previous year`s report, please see

https://sdg.bsu.edu.az/uploads/files/SDG%2017.pdf

❖ Jamila Yusifova, Head of the Methodology and Cooperation Department of the Scientific Library of Baku State University (BSU) and Director of the Azerbaijan Library Information Consortium (AzLIC), participated in the ANKOSLink 2025 International Conference held on 4–6 November 2025 in Ankara, Türkiye. ANKOSLink 2025, organized under the theme *"Library 5.0 and Human-Centered Digital Transformation"*, once again brought together more than 700 specialists from 37 foreign countries as one of Türkiye's and the region's most influential publishing and librarianship platforms. The event was held at the Presidential National Library upon the initiative of the President of the Republic of Türkiye, Recep Tayyip Erdoğan. The conference featured discussions on Library 5.0 and human-

centered digital transformation, preservation and permanent accessibility of digital content, artificial intelligence and ethics, the role of AI in academic libraries and publishing, strengthening cooperation with international publishers, professional challenges, and information equity. The opening session featured speeches by Ayhan Tuğlu, Director of Presidential Libraries Administration; İsmail Çetinkaya, President of ANKOS; and Erol Özvar, Minister of Education of Türkiye. This was followed by a presentation from Walid Hasan, Consulting Director at Clarivate, on the development of scientific research in Türkiye in the direction of Open Access. Presentations by other international companies and publishers continued over the following days. Participation of more than 10 representatives from AzLIC member university libraries of Azerbaijan was organized with the coordination of BSU's Scientific Library and AzLIC. The Azerbaijani delegation engaged in experience exchange with international colleagues and familiarized themselves with new trends and innovative approaches in librarianship. The official closing ceremony of the conference was held with the participation of the President of the Republic of Turkiye, Recep Tayyip Erdogan.

For more information, please click here

- The international youth organization "AIESEC Azerbaijan" held an info session for students at Baku State University (BSU) at the initiative of the "BSU Volunteers" organization. The Head of the Department for Humanitarian Affairs and Youth Policy at BSU, Ramin Samadov, highlighted the significant role of AIESEC Azerbaijan's projects in the personal and professional development of young people. He also emphasized the contributions of the "BSU Volunteers" organization in supporting students' future careers and social activities. The Chair of the Marketing and Public Relations Committee of AIESEC Azerbaijan, Nazanin Mammadli, provided students with insights into the organization's core activities, international programs, and the process of joining AIESEC. She noted that AIESEC offers students volunteering opportunities abroad, paid internships, and leadership programs, which create valuable opportunities for personal growth, cultural exchange, and global networking. It is worth noting that AIESEC operates in nearly 130 countries and has been active in Azerbaijan since 2006. The organization's primary mission is to uncover young people's leadership potential, contribute to their development, and provide them with international experience through various programs.

For more information, please click here

- A meeting was held at Baku State University (BSU) with a delegation from the Global Energy Interconnection Development and Cooperation Organization (GEIDCO) of the People's Republic of China. The meeting was attended by BSU Vice-Rector for International Relations Shahin Panahov, Rector's Advisor on Quality Assurance Asiman Ilyasov, Head of the International Relations Department Rauf Hasanov, GEIDCO Deputy Director Xu Ming, General Manager of the Cooperation Department Yu Kaifeng, General Manager of the Membership Department Gao Ming, Senior Researcher at the Economics and Technology Research Institute Gao Chao, Director of the East Europe and Central Asia Office Xupeng Chen, and Office Representative Zhou Pengchao. During the meeting, the guests were provided with a comprehensive overview of the university's history, structure, academic and scientific activities. In turn, the GEIDCO representatives presented the main directions of the organization's work, emphasizing that the core mission of GEIDCO is to promote sustainable development in the global energy sector, meet the growing global energy demand with clean and green alternatives, and support the implementation of the UN's "Sustainable Energy for All" initiative and "Climate Action" goals. The parties also discussed potential collaboration on projects aimed at capacity building in higher education and joint efforts within the framework of the Sustainable Development Goals (SDGs). It is worth noting that GEIDCO currently has 1,346 members from 142 countries, 7 regional offices, 72 national representative offices, and 6 regional committees.

For more information, please click here

- Associate Professor Alamdar Jabbarli, Dean of the Faculty of Information and Document Management at Baku State University (BSU), visited Bartin University in the Republic of Türkiye. During the visit, the Dean met with the Rector of Bartin University, Professor Ahmet Akkaya. At the meeting, detailed information was provided about the educational environment in Azerbaijan, as well as the history and current development of BSU and its Faculty of Information and Document Management. It was noted that cooperation between the Department of Information and Document Management at Bartin University and the corresponding faculty at BSU has been developing across various platforms, including the organization of joint international scientific conferences, master classes, and academic seminars. Rector Ahmet Akkaya highly appreciated the partnership with BSU, one of the most prestigious higher

education institutions in Azerbaijan. The meeting was also attended by Associate Professor Ahmet Altay, Head of the Department of Information and Document Management at the Faculty of Literature of Bartin University. The parties exchanged views on further strengthening bilateral cooperation between the faculties, including expanding the scope of academic exchange programs, implementing joint projects, exploring the possibility of dual degree programs, and conducting collaborative scientific research. In addition, a proposal was put forward to organize a joint international student scientific conference hosted by Bartin University in March 2025.

For more information, please click here

- Baku State University (BSU) and Huawei have signed a cooperation memorandum. A delegation from BSU, led by the Rector, is on an official visit to China at the invitation of Huawei Technologies Co., LTD. During the visit, which also involved representatives of several other Azerbaijani universities, opportunities for collaboration in high technologies, artificial intelligence, and innovations in higher education were discussed. The delegation visited the "Huawei Corporate Business Exhibition Hall" and the "5G and Artificial Intelligence Exhibition Hall" in Shenzhen, known as the city of technology. They were introduced to Huawei's advanced technologies and received detailed information about the company's applications in artificial intelligence, 5G and 5G-A, cloud technologies, and smart city solutions. The possibilities of applying advanced technologies and AI in education and research were also showcased. At the official meeting held at Huawei's headquarters, attended by David Wang, Huawei's Vice President for Corporate Communications, Angela Lin, Vice President for the Middle East and Central Asia, and other company representatives, discussions focused on "Artificial Intelligence" and "Intelligent Education" applications, as well as prospects for bilateral cooperation. Concrete steps were identified in areas such as partnerships with higher education institutions, student training and internship programs, joint projects, and the creation of innovative laboratories. As part of the visit, a Memorandum of Understanding (MoU) was signed between BSU and Huawei. The cooperation framework envisions the implementation of training and internship programs in technology and innovation for BSU students and researchers, conducting joint research in artificial intelligence and information and communication technologies within BSU faculties, expanding teaching and laboratory facilities in smart technologies and 5G infrastructure, and the potential establishment of joint innovation centers and support for the startup ecosystem. The delegation also held meetings at Huawei's Research and Development

Campus in Dongguan, Dongguan University of Technology, and the Global Cybersecurity Transparency Center.

For more information, please click here

❖ Baku State University (BSU) and the Hebrew University of Jerusalem (HUJI) announce admission to their joint dual Master's degree program. Are you ready to earn Master's degrees from two prestigious universities simultaneously? If you aspire to build an international career in the field of biotechnology, this opportunity is designed for you. HUJI, ranked among the Top 300 universities worldwide, is a leading center of education and research founded by Albert Einstein and renowned biochemist and Israel's first President, Chaim Weizmann.

Program Advantages

- The first year of study: Semester I at BSU, Semester II at HUJI
- Opportunity to obtain a HUJI Master's degree without a thesis defense (non-thesis track)
- Opportunity to continue the second year of study at BSU and earn two Master's diplomas

Eligibility Criteria

Applicants must:

- Hold a bachelor's degree in biology, Biology Teaching, Chemistry, Chemistry Teaching, Chemical Engineering, Physics, Physics Teaching, or Ecology
- Have a minimum GPA of 80 and above
- Provide proof of English proficiency (IELTS 6+ or TOEFL iBT 89+)
- Submit a letter of recommendation and a medical certificate

The program is implemented within the framework of the State Program approved by Presidential Decree No. 711 of the Republic of Azerbaijan.

For more information, please click here

❖ Baku State University (BSU) is participating in the 11th Baku International Book Fair organized by the Ministry of Culture. The exhibition, held at the Baku Expo Center, is dedicated to the theme *"Techno-Human: The Legend of Yesterday, the Phenomenon of Today"* and runs from October 1–7, 2025. At the exhibition, books, textbooks, and teaching materials published over the past two years by the university's faculty and preserved in BSU's Scientific Library are on display. In addition, the BSU Publishing House presents the recent four series of the *"News of Baku University"* journal, as well as conference proceedings,

textbooks, teaching aids, and monographs produced by the university's faculties. An informational video featuring the university's history, activities, and academic and pedagogical achievements is also screened at the stand. Visitors are provided with detailed information about the publications and receive BSU-branded printed materials such as notebooks, brochures, notepads, and pens as souvenirs.

BSU's participation in the exhibition promotes the university's scientific and educational potential to the broader public and creates opportunities for direct engagement with students and young book enthusiasts.

On the opening day, in the Baxtiyar Vahabzade and Uzeyir Hajibeyli presentation zones, the book *"Fidan Flowers"* authored by Majid Heydarli (Seyyid Asri), a staff member of the BSU Scientific Library, was also presented.

For more information, please click here

- Baku State University (BSU) actively provides expert advice to local, regional, and national government bodies. This engagement occurs through several avenues. One of these kinds of memorandum of cooperation was signed between Baku State University (BSU) and the Social Services Agency under the Ministry of Labor and Social Protection of the Population. BSU's rector Elchin Babayev said that in recent years, there has been close cooperation with the National Academy of Sciences and its subordinate institutions. The rector noted that the Psychological Service Sector was established several years ago and is successfully operating and our university conducts policy-focused research in collaboration with government agencies or institutions. The Faculty of Social Sciences and Psychology of BSU is one of the oldest faculties of the University. Elchin Babayev emphasized that it is necessary to consolidate the knowledge given in practice and it will benefit both institutions. Chairman of the Social Services Agency Vugar Behbudov gave detailed information about social services provided to vulnerable population groups. He noted that the Agency is constantly working to organize these services efficiently and effectively, and to increase accessibility to social services. In this regard, it is necessary to cooperate with higher education institutions that provide specialist training for social services. Also, special importance is given to the recruitment of young personnel specialized in this field. At present, 100 graduates of BSU and 24 graduates of master's level work in the Agency.

According to the memorandum, within the next 3 years, production and scientific-research experience programs will be organized in the Agency for undergraduate and graduate students of the higher education level in the relevant field of specialization. Also, specialists from both sides will participate in the preparation and implementation of joint social projects.

For more information, please click here

- A memorandum of understanding on cooperation was signed with the Biological Diversity Protection Service of the Ministry of Ecology and Natural Resources.

Speaking at the signing ceremony, BSU's rector Elchin Babayev said that the decision to hold the 29th session of the Conference of the Parties to the UN Framework Convention on Climate Change (COP29) in 2024 in Azerbaijan is a very important event. Azerbaijan's hosting of this prestigious event is one of the biggest victories of the President of the Republic of Azerbaijan Ilham Aliyev. This decision accepted by all the countries of the world is a clear example of the great trust and respect shown to our country. Declaring 2024 as the "Year of Solidarity for the Green World" in Azerbaijan will give further impetus to our country's work in this direction. All this imposes certain obligations on state institutions and higher education institutions. Rector also mentioned that the university conducts policy-focused research in collaboration with government agencies and institutions.
Rector expressed confidence that the signed memorandum will contribute to the state policy implemented in this field in the country.
Firuddin Aliyev, head of the Biological Diversity Protection Service, noted that all national parks and reserves in Azerbaijan have all conditions for conducting experiments and scientific research. To increase the efficiency of the educational process, BSU students can be organized to have experience and training in the Biological Diversity Protection Service. According to the memorandum of understanding, the employees of the structural divisions of the Service are expected to be involved in the educational process at BSU. Within the framework of joint cooperation, the work of involving BSU students studying ecology and environmental law in the preparation and implementation of environmental projects will be organized.
In the memorandum of understanding, implementation of international and national academic and scientific events and trainings, conferences, seminars, symposiums and lectures in the field of ecological law, as well as preparation of ethno-ecological and ecotourism-oriented programs for students, conducting joint scientific research, organizing exhibitions, summer

camps is also intended. BSU actively engages in policy-focused research in collaboration with government departments and agencies. The university conducts joint research initiatives with various governmental bodies, contributing to evidence-based policy development and addressing national priorities. For instance, BSU has signed memoranda of understanding with entities such as the Biological Diversity Protection Service and the Center for Analysis of Economic Reforms and Communication, aiming to foster collaboration in research, innovation, and sustainable development.

For more information, please click here

- The opening ceremony of the First International Conference and Autumn School of the Turkic World on Artificial Intelligence Ethics was held at Baku State University, jointly organized by Baku State University, the International Turkic Academy, and the Turkish Academy of Sciences. In his opening remarks, BDU Rector Elchin Babayev stated that the 21st century represents a turning point for humanity. As technologies advance, artificial intelligence systems are expanding the boundaries of human thinking. However, the true power of this technology emerges when it is guided by ethics and applied in a human-centered and responsible manner. He emphasized that discussing the ethical dimensions of artificial intelligence is not only a scientific issue but also a moral and national responsibility. The Rector noted that the "Artificial Intelligence Strategy of the Republic of Azerbaijan for 2025–2028," signed by President Ilham Aliyev, defines key directions for the country's future development, including the responsible and ethical use of AI, transparency, fairness, reliability, and a human-centered approach as fundamental principles of state policy. He highlighted that BDU, with its more than a century-long history, has established a Department of Artificial Intelligence Ethics in cooperation with the International Turkic Academy and plans to expand international research collaboration with universities in Türkiye, Kazakhstan, Uzbekistan, and other countries. President of the Turkish Academy of Sciences, Professor Muzaffer Şeker, emphasized that AI technologies are now at the center of global politics and economics, making ethical, legal, and cultural research in this field essential for ensuring that the Turkic world secures its rightful place in global competition. Ambassador of Türkiye to Azerbaijan Birol Akgün highlighted the special importance of AI ethics initiatives for the Turkic world, noting that discussions held during the conference would contribute not only to Turkic states but also to friendly and allied countries. Chairman of the Board of the Innovation and Digital Development Agency Farid Osmanov and Professor Muazzam Ali Khan Khattak, Director of the Al-Farabi Center for Artificial

Intelligence and Cybersecurity at Quaid-i-Azam University, also addressed the event, stressing the importance of joint initiatives in AI ethics. The event concluded with an artistic composition prepared by BDU's Cultural and Creative Center.

For more information, please click here

- On October 23, 2024, the Rector of Baku State University (BSU), Elchin Babayev, met with the Faculty of Mechanics and Mathematics fourth-year students Vüqar Quliyev and Amil Cəbiyev, who achieved success at the International Mathematics Olympiad held in Bulgaria. During the meeting, the Rector congratulated the students on their outstanding performance and highlighted the university's growing emphasis on supporting and encouraging participation in olympiads by students in applied sciences. He emphasized that special attention is paid to involvement in competitions and to motivating both teachers and olympiad leaders, stating that this remains one of BSU's primary priorities. At the International Mathematics Olympiad, Vüqar Quliyev won first place and received a gold medal, while Amil Cəbiyev placed third and earned a bronze medal. The competition was organized jointly by the American University in Bulgaria and University College London in the city of Blagoevgrad, Bulgaria, from August 5 to 11. Additionally, both students were also winners of the Republican Mathematics Olympiad held at BSU in honor of the 101st anniversary of the birth of National Leader Heydar Aliyev.

For more information, please click here

- Baku State University (BSU) and the Astana International University of the Republic of Kazakhstan have signed a Memorandum of Understanding. The document was signed by BSU Rector Elchin Babayev and Astana International University Rector Serik Irsaliyev. The memorandum outlines cooperation aimed at enhancing teaching and learning processes within the faculties, institutes, and colleges of both universities and aligning them with international standards. It includes the implementation of joint projects, conferences, exhibitions, seminars, symposia, short-term courses, and training programs, as well as conducting collaborative scientific research. The agreement also covers joint publications in academic journals, the development of joint academic programs, curricula, and syllabi, the organization of training sessions, and the exchange of academic and administrative staff, students, master's students, doctoral candidates, and researchers. Established in 2024, Astana International University is among Kazakhstan's prominent higher education institutions.

For more information, please click here

- A Memorandum of Understanding on cooperation has been signed between Baku State University (BSU) and Kazakhstan's International Engineering Technological University. The document was signed by BSU Rector Elchin Babayev and Rector of the International Engineering Technological University Darkhan Akpanbetov. The memorandum envisages the implementation of joint projects aimed at improving and aligning the teaching and learning processes at the faculties, institutes, and colleges of both universities with international standards. Within this framework, the organization of conferences, exhibitions, seminars, symposiums, short-term courses, and training programs, as well as the conduct of joint scientific research, is planned. The agreement also covers joint publications in scientific journals, the development of shared academic programs, curricula, and syllabi, the delivery of joint training activities, and the mutual exchange of academic and administrative staff, undergraduate and graduate students, doctoral candidates, and researchers. Founded in 2001, the International Engineering Technological University is ranked in the 1001–1200 range of the QS World University Rankings.

For more information, please click here

- A delegation led by the Rector of Baku State University (BSU), Elchin Babayev, paid an official visit to Anhui Agricultural University in China. During the bilateral meeting, the parties discussed opportunities for establishing strategic cooperation in the fields of education and scientific research. Rector Elchin Babayev and President of Anhui Agricultural University Cao Haiqun explored prospects for academic collaboration at the bachelor's, master's, and doctoral levels, joint scientific research projects, faculty and student exchange programs, shared use of resources in agricultural research, the organization of seminars and conferences, and the implementation of mutual innovation initiatives. The meeting also included a review of existing material and technical facilities, laboratories, and scientific infrastructure, followed by the identification of cooperation plans in various formats. At the conclusion of the meeting, the parties signed a Memorandum of Understanding.

For more information, please click here

❖ On June 24, 2025, Advisor to the Rector of Baku State University (BSU) on Digitalization and Information Technologies, Shabnam Safarova, represented BSU at the international panel titled "Reimagining Higher Education in the Islamic World: Innovation, Sustainability, and Global Impact." The panel was held within the framework of the **6th Vice Chancellors' Forum of Universities in the Islamic World (VC Forum 2025)** in Rabat, Kingdom of Morocco. The event was organized by the Islamic World Educational, Scientific and Cultural Organization (ICESCO), the Higher Education Commission of Pakistan, and in partnership with BSU. During the panel discussions, participants addressed topics such as maintaining national values in the process of aligning higher education with international standards, designing curriculum models that preserve traditional values, ensuring quality assurance, and establishing mutual recognition mechanisms between universities. In her speech, Shabnam Safarova provided an overview of BSU's recent development strategies. She highlighted the university's achievements in international collaboration, digital and green transformation, and scientific research. She noted that BSU's ranking at **688th in the QS World University Rankings** and its placement among the **Top 600 universities globally according to Times Higher Education (THE)** demonstrates the university's successful integration into the global academic and scientific landscape. Safarova emphasized that while navigating globalization, countries in the Organization of Islamic Cooperation (OIC) remain committed to preserving traditional approaches. Within this context, initiatives such as mutual diploma recognition, the creation of joint quality assurance frameworks, the development of collaborative digital platforms, and the expansion of student and faculty mobility programs are of critical importance. In conclusion, she stressed that higher education is not only a medium for knowledge transmission but also a powerful tool for shaping the moral and intellectual framework of future generations. Therefore, universities in the Islamic world must not only participate in globalization but also serve as carriers and creators of universal values.

For more information, please click here

❖ Baku State University (BSU) participated with a stand at the *"Times Higher Education (THE) Eurasian Universities Summit"*, held in Baku on September 24–25 with the support of the Ministry of Science and Education, the State Agency for Science and Higher Education, and the international ranking agency THE. This year's summit, dedicated to the theme *"Transnational Research: From Knowledge to Global Impact"*, brought together over 300 participants from more than 20 countries, 150 higher education institutions, and more than 50 international and local speakers. Discussions focused on global research

collaborations, universities' contributions to socio-economic development, and the role of higher education in achieving the United Nations Sustainable Development Goals (SDGs). Within the summit, BSU's stand provided participants with comprehensive information about the university's scientific achievements, international collaborations, initiatives in sustainable development, and future strategic goals. Visitors learned about BSU's educational and research opportunities, participation in international projects, and its position within the global academic network. BSU's representation with a stand at this prestigious event contributes to strengthening the university's international ranking, expanding partnership opportunities, and promoting Azerbaijan's higher education system on the global stage.

For more information, please click here

- An International Scientific Conference on the topic "Application of Modern Equipment and Methods in Improving Food and Water Security" is being held at Baku State University (BSU), organized jointly by BSU, "Bayramli Group" LLC, and Germany's "AnalytikJena" company. In the opening ceremony of the conference, BSU's Rector Elchin Babayev stated that this important event provides an opportunity to discuss the globally relevant issues of food and water security and demonstrates the successful implementation of public-private partnerships in the country. Ensuring food and water security in Azerbaijan is one of the priorities of state policy. Large-scale reforms are being carried out in this area to implement modern technologies, align food safety standards with international requirements, and improve monitoring mechanisms. BSU, as part of these processes, contributes to the development of the country in collaboration with industry and business partners. The Rector emphasized that the "Ekomekan" and ECOLEAD Clinics established at BSU serve the application of new approaches in the fields of food and water security, solving ecological problems, and efficient use of natural resources. Cavid Bayramli, the founder and director of "Bayramli Group" LLC, expressed confidence that the conference, a successful example of public-private partnership, would contribute to the development of food and water security in the country and wished success to the event. He mentioned that "Bayramli Group" is engaged in the establishment, design, and supply of molecular biology laboratories in Azerbaijan, Turkey, Georgia, Central Asia, and Arab countries. The company successfully

carries out projects in cooperation with various organizations, including BSU, within the framework of public-private collaboration. During the scientific session of the conference, the regional manager of "AnalytikJena" company, Marina Mukhina, presented a report titled "AnalytikJena - Leader in Innovative Development in Analytical Equipment." Other presentations included "Atomic Absorption with Continuous Spectral Source: ContrAA Series Atomic Absorption Spectrometers. The conference discusses the application of methods such as atomic absorption spectroscopy, ICP-MS, and TOC/TN analysis, as well as innovative approaches in areas such as food quality control, waste management, and solving ecological problems. The conference continues with scientific presentations.

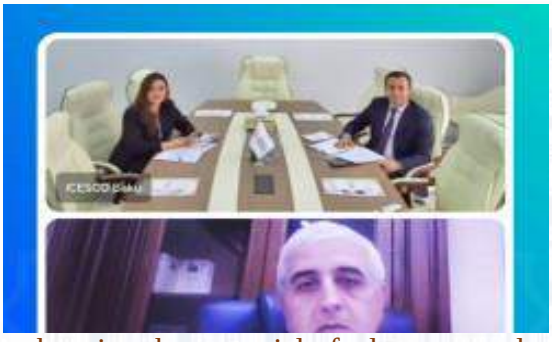
For more information, please click here

- The dual degree program between Baku State University (BSU) and Satbayev Kazakh National Research Technical University (KazNRTU) is successfully continuing. At BSU, continuous efforts are being made to align the content and quality indicators of education with international standards and to enhance global competitiveness through dual degree programs with several leading universities worldwide. One such project is the joint dual master's degree program in "Petrochemistry" carried out between BSU and KazNRTU. The purpose of the project is to train specialists with comprehensive knowledge, modern thinking, problem-solving skills, and the ability to apply theoretical knowledge to practice in the fields of oil and gas chemistry, fuels, and the synthesis of technically significant substances from natural hydrocarbon resources. It should be noted that KazNRTU provides high-level bachelor's, master's, and doctoral training in petrochemistry and chemical engineering. The university ranks 331st in the QS World University Rankings and 64th in the QS ECCA Rankings. The university operates 114 educational and research laboratories and collaborates with 174 leading higher education institutions and 450 prestigious companies worldwide. According to the cooperation agreement on the dual degree program between BSU and KazNRTU, two graduates were trained during the 2022/2023 academic year. At present, the program continues successfully. For example, Günel Rustamli, a master's student in Petrochemistry at the Department of Petrochemistry and Chemical Technology of KazNRTU's Faculty of Chemistry, and Aidana Iskander, a KazNRTU master's student pursuing education at BSU, are continuing their studies and conducting research for their dissertation topics.

For more information, please click here

- An online meeting was held between Baku State University (BSU) and the Baku Regional Office of the Islamic World Educational, Scientific and Cultural Organization (ICESCO) to

explore opportunities for expanding cooperation. Participants included Mahir Pirquliyev, Head of the Rector's Secretariat at BSU; Alakbar Khidirov, Manager of ICESCO's regional office; and Aytan Eyvazzade, interpreter and commentator of the regional office. The parties discussed the organization of an international conference on *"The Role of Translation"* planned to be held in Baku later this year. The conference aims to bring together experts from ICESCO member states and Central Asia, highlighting the importance of translation in promoting shared values, intercultural dialogue, and sustainable development. The meeting also covered one of ICESCO's key educational initiatives, the *"International Language Teaching Program in Arabic"*. This program is designed to address the needs of member states that do not speak Arabic and will be implemented in Azerbaijan with the participation of BSU. Its objectives include enhancing the potential of educators and Arabic language teachers, improving teaching methods and language skills, and supporting the development of curricula aligned with modern pedagogical, linguistic, and technological standards.



For more information, please click here

- Representatives of the National Academy of Modernization under the Chinese Academy of Social Sciences of the People's Republic of China visited Baku State University (BSU). The delegation was provided with comprehensive information about the history of BSU, its scientific research and educational activities, as well as its international relations. It was noted that BSU, the country's largest and oldest higher education institution, currently offers education in 78 undergraduate majors, 243 master's specializations, and 131 doctoral programs. With more than 25,000 students, the University comprises 120 departments, 2 research institutes, 22 research laboratories, and 5 research centers. BSU maintains close cooperation with higher education institutions in China,

implements dual-degree programs, and is interested in further expanding collaboration with Chinese scientific institutions across various fields. The guests spoke about the main areas of activity of the National Academy of Modernization under the Chinese Academy of Social Sciences, noting that the Academy conducts research on the Chinese model of modernization, its theory and history, comparative analyses with other countries, and studies in social and economic fields. It was emphasized that Azerbaijan plays an important role both in the context of the ancient Silk Road and the modern "Belt and Road" Initiative. In this regard, cooperation with BSU, as Azerbaijan's leading university, would be beneficial for conducting research on various aspects of modernization, as well as social and economic policy. The meeting included discussions on multiple areas of cooperation, during which concrete proposals were put forward.

For more information, please click here

❖ A competition-exhibition titled *"EcoDay-2025"* was held at Baku State University (BSU) in honor of **June 5 – World Environment Day**, organized by the "Bioteam" club of the Faculty of Biology. The event aimed to raise ecological awareness among students, emphasize the importance of recycling, and strengthen a sense of environmental responsibility in youth. Participants included the Dean of the Faculty of Biology, Afət Məmmədova; Head of the Department of Humanitarian Affairs and Youth Policy, Ramin Səmədov; Deputy Dean of the Faculty of Physics, Vüsal Məmmədov; department heads, faculty members, and students. Over 20 handmade projects were exhibited, primarily crafted from recyclable materials. Many of the artworks were created using natural dyes, further emphasizing the ecological theme and drawing great interest from attendees. While students had creative freedom, they were required to submit a written explanation and a list of materials used for their work. Based on the jury's decision and anonymous voting by participants, the winners were announced as follows:

- **1st place**: Zeynab Abdullayeva (2nd-year student, Faculty of Biology) for *"Pacific Ocean, Silent Storm"*
- **2nd place**: Kenan Huseynzada for *"The Revived Battery"*
- **3rd place**: Aishanur Mayilzada, Gunash Ibrahimli, Huseyn Mammadzada, and Sama Huseynova (Faculty of Physics) for *"Spectrometer"*

Speakers at the event drew attention to the **United Nations Sustainable Development Goals (SDGs)**, particularly Goal 12: *Responsible Consumption and Production*. It was noted that achieving these goals is not only the duty of producers but also consumers. Food waste, plastic pollution, and unsustainable consumption habits are pressing environmental and societal challenges today. Therefore, fostering ecological thinking and behavioral change is essential.

In addition to giving students a platform to showcase their creativity, *EcoDay-2025* encouraged them to take a more active role in promoting environmental responsibility and building a sustainable and green future.

For more information, please click here

- Baku State University (BDU) has signed an Erasmus exchange protocol with the West University of Timisoara in Romania as part of its strategy to strengthen bilateral and multilateral cooperation with leading international scientific and educational institutions and to promote academic and research exchange. Within the framework of the agreement, exchange opportunities will be provided for undergraduate and graduate students, researchers,

and academic staff. Founded in 1944, the West University of Timisoara ranks 52nd in the QS Europe University Rankings. The university comprises 11 faculties and provides education to nearly 16,000 students.

For more information, please click here

- A training session titled "Study Abroad: Your Dream, Your Goal" was organized for students at Baku State University (BSU) by members of the Chemistry Faculty of the "BSU Volunteers" organization in cooperation with the "You will speak" English Language Center. Taleh Gahramanov, Deputy Dean for Social Affairs and Student Relations of the Faculty of Chemistry, spoke about the impact of studying abroad on students' personal and professional development. He emphasized that learning foreign languages is a key tool for benefiting from global opportunities and highlighted the importance of continuous effort and acquiring new knowledge to achieve personal goals. Later, Gunay

Rasulova, founder and director of the “You will speak” English Language Center, delivered a practical and motivational presentation on studying abroad. She discussed the preparation stages for studying overseas, key factors to consider when selecting universities, financial planning, and scholarship opportunities. She also provided guidance on the required application documents, including writing motivation letters, and shared her personal experiences with the participants.

For more information, please click here

- On 18 August 2025, Baku State University (BSU) launched an international expert meeting of the Working Group on “Systems, Signals and Services” (Working Group S), organized by the United Nations Office for Outer Space Affairs (UNOOSA) and the International Committee on Global Navigation Satellite Systems (ICG). The five-day event brings together experts from leading space agencies, government bodies, research centers, and prestigious international organizations to discuss the development prospects of global navigation satellite systems (GNSS). The main goal of the meeting is to exchange expertise on current challenges in satellite navigation, new technological opportunities, and future cooperation directions. Discussions will cover issues such as reducing global interference, harmonizing signals, improving service quality, integrating time and accuracy standards, LEO-PNT technologies, and spectrum compatibility for lunar missions. Experts from the United States, China, Japan, the Republic of Korea, Croatia, New Zealand, and other countries, as well as representatives from UNOOSA, BSU, and several European institutions, are participating in the sessions. The meeting agenda includes parallel sessions on various topics. The opening day features sessions on “International GNSS Monitoring and Assessment” (IGMA) and “Time Standards.” In the following days, sessions will address “Detection and Mitigation of Interference,” “Compatibility and Spectrum Protection,” “Civil Signal Authentication,” “Space Debris Mitigation,” “LEO-PNT Technologies,” and other key areas. Additionally, the event includes presentations by GNSS system providers, experience sharing among countries, and the adoption of new recommendations. At the conclusion, the Working Group will prepare new decisions and recommendations to be submitted to relevant international bodies. Hosting such a prestigious international event highlights the growing role of Azerbaijan’s scientific and educational community in global cooperation.

For more information, please click here

- A delegation from the Beijing University of Chemical Technology, China, led by Vice Dean Yu Yuen and comprising faculty members and doctoral students, visited Baku State University (BSU). The guests met with BSU Rector Elchin Babayev, who highlighted the high-level political, economic, scientific, and cultural relations between Azerbaijan and China. He emphasized the university's close collaboration with Chinese higher education institutions and stressed the importance of implementing joint projects with Beijing University of Chemical Technology to further strengthen these ties. During the meeting, the prospects for scientific and academic cooperation between the two universities were discussed. As part of the visit, the delegation toured BSU's "Eco Space," "Student Space," Student Scientific-Technical Creativity Center, and the Confucius Institute. They also received information about ongoing work in the Nano Research Laboratory, Materials Science Laboratory, and other research labs, and were introduced to scientific research conducted at the Chemistry Faculty, including the nuclear magnetic resonance (NMR) equipment. At the Student Development Center, a meeting was held between BSU Chemistry Faculty staff, doctoral students, and representatives from Beijing University of Chemical Technology. Video presentations about the history and activities of both universities were shown. Chinese doctoral students shared information about their research, and a fruitful exchange of ideas took place.

For more information, please click here

- An international forum titled "The History of Teaching the Arabic Language in the Caucasus and Central Asia" has been held at Baku State University (BSU). At the initiative of the King Salman Global Academy for Arabic Language, August 2025 was declared the "Month of the Arabic Language" in Azerbaijan. Within this framework, BSU organized the international forum dedicated to discussing the historical development of Arabic language education in the Caucasus and

Central Asia. The forum was jointly organized by BSU and the King Salman Global Academy for Arabic Language. Representatives from several regional universities also participated in the event, including Al-Farabi Kazakh National University in Kazakhstan, Bishkek State University in Kyrgyzstan, Tajik National University in Tajikistan, and Tbilisi State University in Georgia. The main objective of the forum was to discuss the history and development trends of Arabic language teaching in the Caucasus and Central Asia, strengthen inter-university cooperation, and establish new scientific and cultural partnerships. During the discussions, representatives from participating countries presented the history of Arabic language education at their respective universities, highlighting achievements and current practices in the field. Within the Azerbaijani context, speakers emphasized the traditions and modern approaches to Arabic language education at BSU. Presentations from regional universities also highlighted the role of the Arabic language in advancing scientific and cultural cooperation. The forum emphasized that Arabic is not only a means of communication but also serves as a cultural bridge and a platform for academic collaboration among nations. Speakers also noted the importance of further strengthening humanitarian relations between the Arab world and countries of Azerbaijan and Central Asia. At the conclusion of the forum, participating universities agreed to expand cooperation through joint research projects, student and faculty exchange programs, international conferences, and collaborative educational initiatives in the future.

For more information, please click here

- The Director of the National Library of Turkey, Ayhan Tuglu, visited the Faculty of Information and Document Management at Baku State University (BSU). During the meeting, Ayhan Tuğlu was provided with detailed information about the education environment in Azerbaijan, the history and status of BSU, and the faculty itself. Discussions focused on enhancing collaboration between the National Library of Turkey and the faculty, organizing joint scientific conferences and masterclasses, and providing opportunities for faculty students to gain practical experience at the National Library.

For more information, please click here

- On September 2, the second day of the UN Local Conference of Youth on Climate Change – "LCOY Azerbaijan 2025" was held, organized by the "EkoSfera" Ecological-Social Center, in partnership with Baku State University (BSU) and "SEA BREEZE Resort," with media support from the Caspian International Broadcasting Company (CBC). During the second day of "LCOY Azerbaijan 2025," the Representative of the President of Azerbaijan on Climate Issues and COP29 President, Mukhtar Babayev, emphasized that hosting COP29 in Azerbaijan is a significant historic milestone in global climate diplomacy. He stressed the necessity of youth's active engagement in this process, noting that Azerbaijani youth initiatives on the climate agenda would resonate not only at the national level but also on the international stage, contributing to shaping global policy. He also highlighted the role of BSU in structuring climate change and sustainable development activities and ensuring active youth participation in this field. Deputy Minister of Youth and Sports Indira Hajiyeva, Member of Parliament and Executive Vice-Rector of ADA University Fariz Ismayilzade, Chairman of the Icherisheher State Historical-Architectural Reserve Administration Rufat Mahmud, representative of the State Water Resources Agency of Azerbaijan Tural Abbasov, and Head of the "EkoSfera"

Ecological-Social Center and COP29 Organizing Committee member Firuza Sultan-zade emphasized in their speeches the crucial role of youth in addressing climate issues and building a sustainable future. Later, panel discussions were held on *"Climate and a Sustainable Future: Youth's Perspective"* and *"Climate Change and Sustainable Infrastructure."* The sessions covered topics such as circular economy and eco-innovation, biodiversity and ecosystem restoration, Environmental, Social, and Governance (ESG) principles, creating value from waste, social justice, green jobs, water security, and the role of NGOs.

For more information, please click here

- As part of the Memorandum of Understanding on cooperation between Baku State University (BSU) and Kırşehir Ahi Evran University of Turkey, a four-day training program on the topic of "Quality Assurance System in Higher Education" has been launched. The initiative is supported by the Turkish Cooperation and Coordination Agency (TİKA) and organized by BSU's Quality Assurance Center. The training sessions are conducted by experienced experts from Kırşehir Ahi Evran University.

In addition to BSU, representatives from Azerbaijan State University of Economics, Azerbaijan Technical University, Khazar University, and Ganja State University are also participating in the program. At the opening of the training, Asiman Ilyasov, Advisor to the BSU Rector on Quality Assurance, emphasized the importance of establishing effective and sustainable quality assurance systems in universities and highlighted the value of international collaboration in this area. Following that, Hüseyin Şimşek, Vice-Rector of Kırşehir Ahi Evran University, provided detailed insight into the objectives and goals of the training, underlining the significance of mutual exchange of experience in higher education between Azerbaijan and Turkey. This initiative represents a significant contribution to strengthening strategic cooperation in the field of higher education between Azerbaijan and Turkey, while promoting continuous development and experience-sharing in quality assurance practices.

For more information, please click here

❖ Within the framework of the *"Times Higher Education (THE) Eurasian Universities Summit"* held in Baku with the support of the Ministry of Science and Education and the State Agency for Science and Higher Education, Baku State University (BSU) Rector **Elchin Babayev** participated as a panelist in the discussion titled *"Reimagining University–Society Partnerships."* The panel focused on rethinking the partnerships between universities and society, developing sustainable and effective educational initiatives, the role of higher education institutions in supporting local economic development, and the importance of partnerships based on mutual benefit. In his speech, Rector Babayev emphasized that universities should not be limited to education and research alone but should also contribute to the social and economic development of society. He highlighted various initiatives implemented by BSU in this area, including cooperation projects with local communities and strategies supporting sustainable regional development. The panel was moderated by Thomas Auf der Heyde, Vice President of Constructor University, Germany, with Sibille Reichert, Founder and Director of Reichert Higher Education Consulting, also participating as a panelist. BSU's participation in the summit contributes significantly to expanding the university's international cooperation opportunities and integrating global experiences into the local higher education system.

For more information, please click here

❖ On January 14, the head of the "Bilim Bakı" Center and the official representative of "TEKNOFEST" in Azerbaijan, Ahmet Köse, will meet with students of Baku State University (BSU). "TEKNOFEST," the world's largest space, aviation, and technology festival, will be held this year from May 1 to 4 in the Turkish Republic of Northern Cyprus (TRNC). The festival will feature hundreds of teams from Turkey and other countries competing in 7 main and 14 subcategories. Participants will receive over 5 million Turkish lira in prizes and financial support. Additionally, "TEKNOFEST-2025" will take place in a larger and more traditional format this September in Istanbul, Turkey. Ahmet Köse will provide information about "TEKNOFEST-TRNC" and answer questions from BSU teams participating in the competition.

For more information, please click here

- The 3rd EMIDWORLD International Conference on Economics, Public Finance, Business and Social Sciences, jointly organized by Baku State University (BSU) and Turkey's Kilis 7 Aralık University, has concluded. At the closing ceremony, it was emphasized that the participation of scholars and researchers from 33 countries, along with representatives of government institutions and business organizations, transformed the conference into an important platform for scientific dialogue on both regional and global levels. The event highlighted future plans aimed at expanding the existing cooperation between Baku State University and Kilis 7 Aralık University, including the implementation of joint empirical research, preparation of collaborative publications, and more active involvement of young researchers in these processes. Based on the discussions held within the framework of the conference, several recommendation-based conclusions were formed concerning the sustainable development of the economy, transparent management of public finance, green transition, social equality and innovative governance models. During the closing ceremony, certificates were presented to speakers and session moderators. Speakers noted that the conference contributes to further deepening the strategic alliance between Turkey and Azerbaijan in the fields of science and education, paving the way for new directions of scientific cooperation.

For more information, please click here

- A special panel was organized for the staff of the Faculty of Information and Document Management of Baku State University at Bartin University, on the 5th anniversary of the establishment of the Information and Document Management Department. In the opening speech, Ahmet Altay, head of Bartin University's Information and Document Management Department, emphasized that bilateral cooperation has been developing across various platforms, noting that joint international scientific conferences, masterclasses, and scientific seminars have been held, and discussed prospects for future collaboration. At the panel chaired by Hasan Keseroğlu,

professor at Kastamonu University, the dean of BDU's Faculty of Information and Document Management, Alemder Jabbarli, congratulated the department on its 5th anniversary. In his presentation titled "Information and Document Management in Azerbaijan: From Theory to Practice", he provided detailed information about the faculty's history, development stages, and the currently offered programs in Library and Information Studies, as well as Museum, Archival Work, and Heritage Preservation.

At the panel, other speakers included:

- Parviz Kazimi, who presented on Information Engineering.
- Reshad Qardashov, who shared information on higher education in librarianship in Azerbaijan.
- Nabibe Mammadzada, who provided insights on student life and student organizations.

For more information, please click here

❖ The III International Scientific Conference titled *"Conservation of Eurasian Biodiversity: Contemporary Challenges, Solutions and Prospects"* was held on 16–18 October 2025 at the Karakalpak Scientific Research Institute of Natural Sciences in Nukus, Karakalpakstan Autonomous Republic, Republic of Uzbekistan. The conference was jointly organized by Andijan State University (Uzbekistan), Ege University (Türkiye), and Baku State University (Azerbaijan). The primary objective of the event was to strengthen scientific cooperation across Eurasia, particularly among Turkic states, to revive research traditions, and to promote the development of new scientific approaches to biodiversity conservation. Baku State University was represented by Professor Rovshan Khalilov, Head of the Department of Biophysics and Biochemistry at the Faculty of Biology. In his plenary presentation, Professor Khalilov addressed research conducted by Azerbaijani scientists in the field of biodiversity conservation and highlighted the importance of international scientific cooperation and exchange of experience. He also chaired sectional sessions of the conference and held meetings with representatives of scientific institutions from Uzbekistan, Türkiye, Kyrgyzstan, and Kazakhstan, reaching agreements on the establishment of new collaborative partnerships. The conference was also attended by Professor Gulnara Azizova, Head of the Department of Biological Chemistry at Azerbaijan Medical University. Extensive discussions were conducted within the framework of the conference on topics

including biodiversity conservation in Eurasia, sustainable use of flora and fauna, ecosystem restoration, protection of rare and endangered species, as well as the application of modern methods of environmental monitoring and assessment. The Organizing Committee decided that the IV International Scientific Conference will be held in October 2026 at Baku State University.

For more information, please click here

- Agreement signed between Baku State University and Anhui University of China on dual degree program on 15 December 2025, Baku State University (BSU) and Anhui University, China signed an agreement on the implementation of dual master's degree programs in *"Optoelectronics," "Semiconductor Devices and Technologies,"* and *"Microelectronics and Nanoelectronics."* The agreement aims to strengthen academic cooperation between the two universities and expand international education opportunities for students. Within the framework of the dual degree programs, students enrolled in the relevant master's specializations will study at both BSU and Anhui University, benefiting from advanced educational and research opportunities in both countries. The programs will provide students with modern knowledge and practical skills in optoelectronics, semiconductor devices and technologies, as well as microelectronics and nano electronics. At the signing ceremony, both parties emphasized the significance of the program and highlighted the strategic importance of enhancing joint educational and research opportunities. BSU Rector Elchin Babayev noted that this initiative will expand international experience and research opportunities for BSU students, while Yu Baotao, Chairman of the Board of Anhui University, stated that the program will further develop cooperation between Chinese and Azerbaijani universities across various fields. The implementation of these dual master's programs will contribute significantly to strengthening scientific and academic relations between the two universities, providing students with advanced education and research opportunities, and preparing qualified specialists capable of responding to modern challenges. **For more information, please click here**

- A master class titled *"Synthesis, Structure, and Application Areas of Metal Aryl Carboxylate Complexes in the Presence of Nicotinamide"* was delivered at the Faculty of Chemistry by Professor Dr. Hacalı Necefoglu of Kars Caucasus University (Türkiye). Opening the event, Dean of the Faculty Fuad Karimov welcomed the guest and emphasized that cooperation with Turkish universities, the development of joint projects, as well as the implementation of master's and doctoral student exchange programs, are among the key priorities of the day. He noted that multifaceted work is currently being carried out at the faculty in these directions. Professor Dr. Necefoglu, in his remarks, shared that he had previously been affiliated with the Faculty of Chemistry of Baku State University before continuing his academic career in Türkiye, and he reflected on his professional journey. He also provided information on collaboration opportunities and prospects with his current university. In the main part of his lecture, the speaker discussed the synthesis of various heteroatom-containing complexes, structural analyses of synthesized single crystals, experimental testing in different application areas, and the publication of research findings in prestigious scientific journals. The master class concluded with an interactive discussion and a question-and-answer session.

For more information, please click here

- Baku State University (BSU) and Satbayev University, one of Kazakhstan's prestigious higher education institutions, organized an online training on the topic of "Implementation of Sustainable Development Goals (SDGs) in Higher Education Institutions" as part of their ongoing collaboration. The training was organized by the BSU Quality Assurance Center. During the opening of the training, Asiman Ilyasov, the Advisor to the Rector of BSU on Quality Assurance, emphasized the importance of inter-university partnerships, highlighting that such initiatives make a significant contribution to strengthening the academic and institutional potential of higher education institutions. He also provided information about the activities carried out at BSU in recent years to integrate SDGs into teaching and research processes. As part of the training, presentations were made by Aliya Jaksılıkova, the Head of the Project Office on Sustainable Development Goals at Satbayev University, Rustam Axmetov, the Manager, and Emil Andekin, the Head of the Institutional and Scientific-Methodological Research Department. The presentations highlighted the crucial role of integrating SDGs in shaping the position of higher education institutions in international rankings. The training continued with interactive discussions.

Participants exchanged views on the integration of SDGs into teaching, research, and public service activities, as well as best practices in this area.

For more information, please click here

- Shehla Hamidova, one of the first graduates of the "Biotechnology" program at the Faculty of Biology of Baku State University (BSU), has been admitted to a master's program at Korea University, one of South Korea's most prestigious higher education institutions. She will continue her studies in the field of "Public Health (Community Health and Social Epidemiology)." Shehla Hamidova is a recipient of the Global Korea Scholarship (GKS), an international full scholarship program offered by the Republic of Korea. Out of more than one hundred applicants, only five were selected for the program. The GKS program fully funds all expenses, including four semesters of tuition, a monthly stipend of approximately 1260 AZN, health insurance, travel expenses, and visa support. Korea University is ranked 61st globally in the "QS World University Rankings 2026." Shehla Hamidova completed her undergraduate education with a GPA of 92.32. She is proficient in English and Korean at the C1 level.

For more information, please click here

CONCLUSİON

In summary, these achievements underline BSU's vision to be a leading institution in education, research, and innovation.

By fostering international collaboration, supporting transformative projects, and preparing future leaders, BSU strengthens its role as a driver of scientific progress, societal development, and global excellence in higher education.

These initiatives create meaningful opportunities for students, faculty, and researchers to engage in knowledge exchange, innovative research, and professional growth.

SDG FOCUSED MEMBERSHIPS

SDG FOCUSED RANKING RESULTS

Rated for Excellence

Baku State University

Through rigorous and independent data collection and analysis of performance metrics as set out in the QS Stars™ methodology Baku State University has been awarded 5 Stars.

TEACHING

FACILITIES

EMPLOYABILITY

GOOD GOVERNANCE

ENVIRONMENTAL IMPACT

ACADEMIC DEVELOPMENT

GLOBAL ENGAGEMENT

CHEMISTRY

DIVERSITY, EQUITY & INCLUSION

QS Stars

The QS Stars™ rating system evaluates universities across a wide spectrum of important performance indicators as set against pre-established international standards. By assessing a broader scope of criteria than any world ranking exercise, QS Stars™ illuminates the unique strengths and diversity of the rated institution with both precision and clarity.

Leigh Kamolins, Head of Evaluation

UI GreenMetric
UNIVERSITAS INDONESIA
UI GreenMetric World University Rankings 2025
CERTIFICATE
This certificate is awarded to
Baku State University
as The 493rd World's Most Sustainable University
in 2025 UI GreenMetric World University Rankings
5 December 2025
Dr. Vishnu Juwono, S.E., MIA
Chairperson of UI GreenMetric

4. RANKING IN AZERBAIJAN

Country Ranking	SI Ranking	EC Ranking	WS Ranking
1	2	11	3

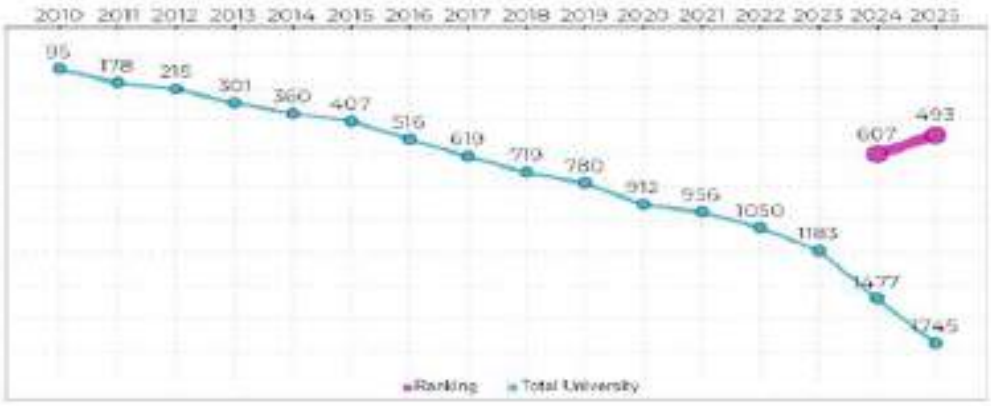
WR Ranking	TR Ranking	ED Ranking
5	1	2

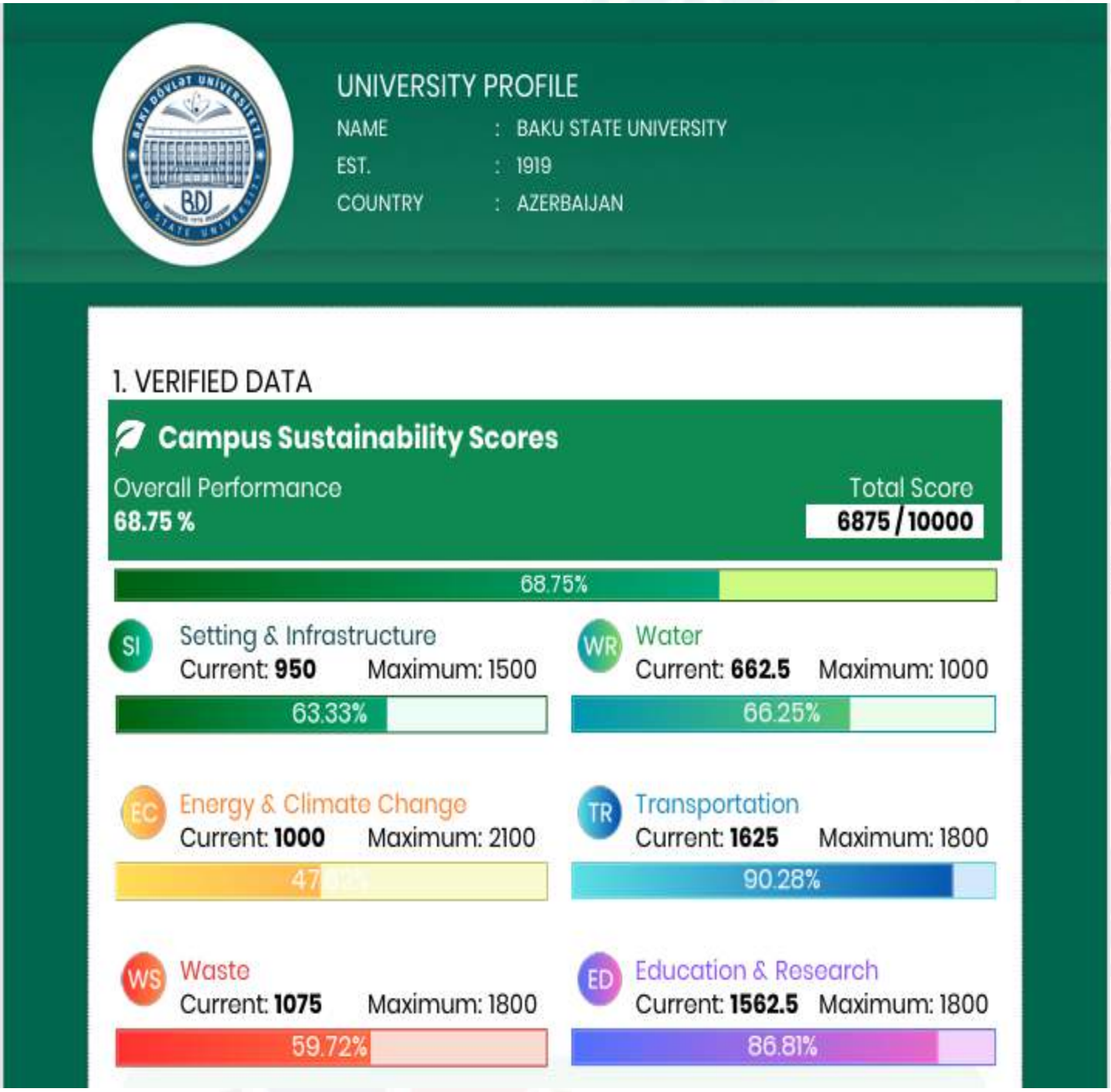
2. RESULTS SUMMARY

World Ranking	SI Ranking	EC Ranking	WS Ranking
493	660	1102	654

WR Ranking	TR Ranking	ED Ranking
607	98	239

3. WORLD RANKINGS HISTORY




UNIVERSITY PROFILE
NAME : BAKU STATE UNIVERSITY
EST. : 1919
COUNTRY : AZERBAIJAN
1. VERIFIED DATA
Campus Sustainability Scores
Overall Performance
68.75 %
Total Score
6875 / 10000
68.75%
SI Setting & Infrastructure
Current: 950 Maximum: 1500
63.33%
WR Water
Current: 662.5 Maximum: 1000
66.25%
EC Energy & Climate Change
Current: 1000 Maximum: 2100
TR Transportation
Current: 1625 Maximum: 1800
90.28%
WS Waste
Current: 1075 Maximum: 1800
59.72%
ED Education & Research
Current: 1562.5 Maximum: 1800
86.81%

17 PARTNERSHIPS FOR THE GOALS

THE Impact Rankings 2025

Download

OVERALL SCORE	OVERALL RANK	SDG PARTICIPATED
71.8 out of 100	401-600 out of 2318 institutions	15 out of 17 Sustainable Development Goals

RANKED 2025

QS WORLD UNIVERSITY RANKINGS

SUSTAINABILITY RANKINGS 2025

Baku State University

941-950

in overall performance

December 2024

Date

Ben Sowter
Senior Vice-President
QS Quacquarelli Symonds

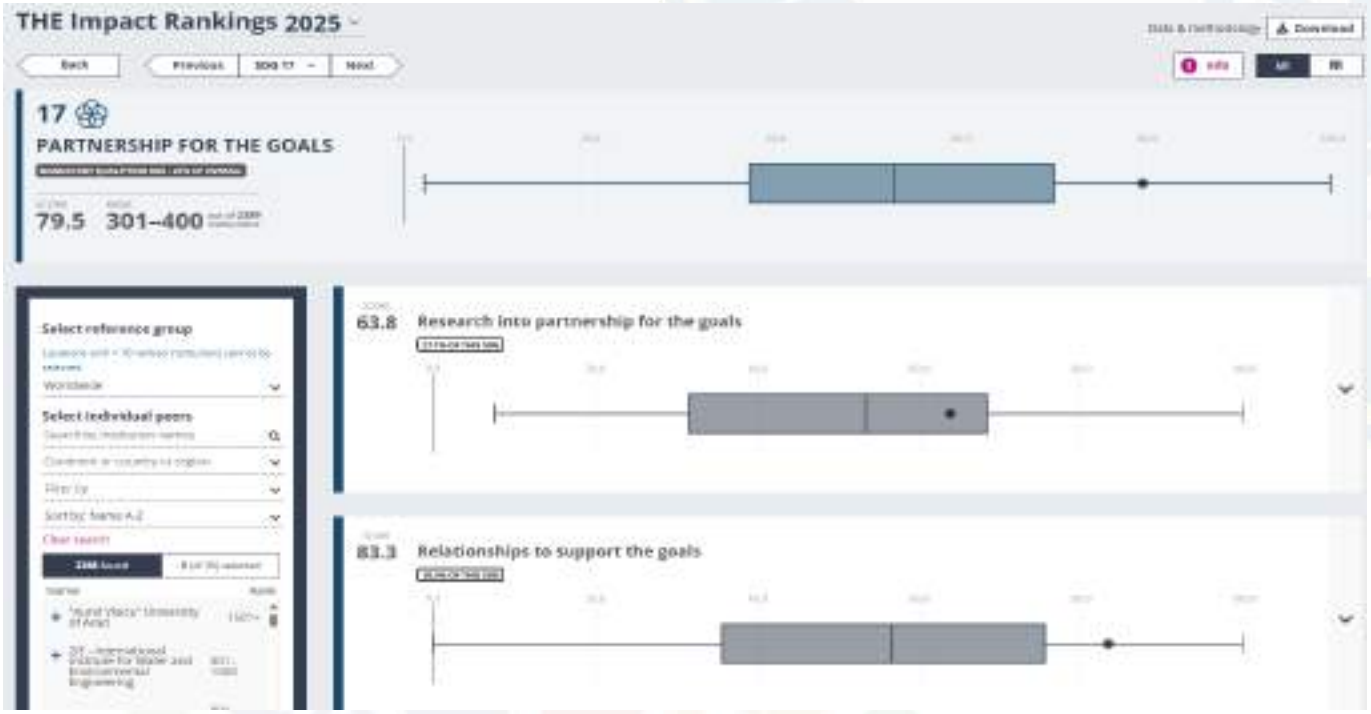
17 PARTNERSHIPS FOR THE GOALS

THE IMPACT RANKINGS

OVERALL RANK

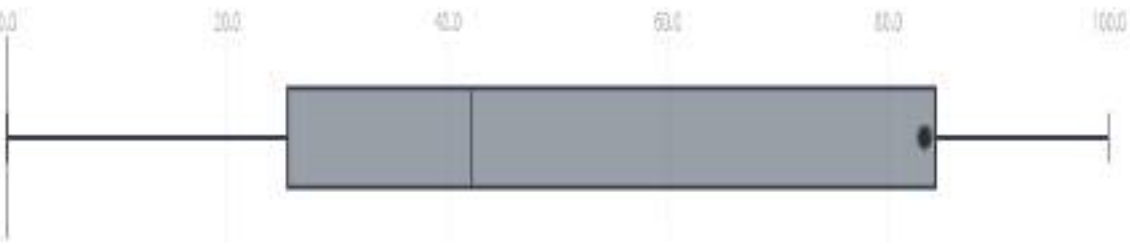
401–600 out of **2318** institutions

17 PARTNERSHIPS FOR THE GOALS



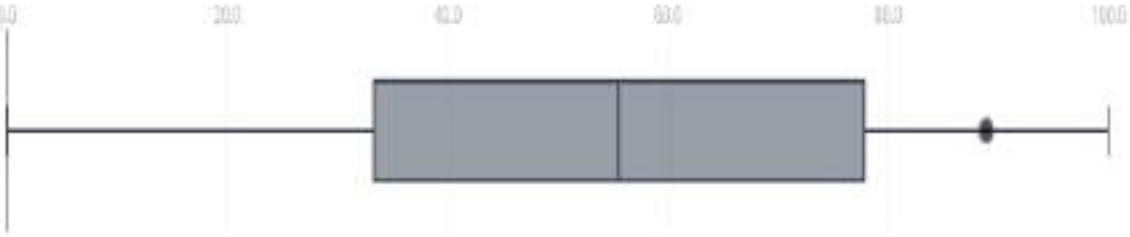
83.3 Publication of SDG reports

27.2% OF THIS SDG



88.9 Education for the SDGs

27.2% OF THIS SDG



SDG FOCUSED RESEARCH

Introduction

Sustainable Development Goal 17 emphasizes strengthening global partnerships, mobilizing resources, and fostering knowledge exchange to accelerate progress toward all other SDGs. At Baku State University (BSU), research aligned with SDG 17 highlights the central role of collaboration in addressing complex social, economic, and environmental challenges. Recent studies examine how international cooperation, foreign investment, digital economy development, and cross-border trade can drive sustainable growth in Azerbaijan and the wider region. For example, research on Azerbaijan's digital transformation stresses the importance of foreign expertise and investment in building human capital and expanding digital literacy. Comparative studies on foreign investment in post-Soviet economies reveal both the benefits of innovation and infrastructure development, as well as the risks of overdependence on external funds corresponding the need for balanced partnership frameworks. Similarly, analyses of Iran–Azerbaijan trade relations and biodiversity protection laws across countries illustrate how regional and global cooperation can unlock untapped potential, harmonize standards, and enhance resilience.

Through these research initiatives, BSU contributes to advancing SDG 17 by generating evidence-based insights into effective partnerships, resource mobilization, and policy strategies that connect local strengths with global opportunities. These efforts demonstrate that sustainable progress in Azerbaijan requires not only national reforms but also robust international collaboration across governments, academia, and industry.

For all SDGs related articles please
visit: https://www.scopus.com/pages/organization/60071969#tab=sdgs

SDG contributions

Goal 1: No poverty	9 documents	Goal 10: Reduced inequalities	40 documents
Goal 2: Zero hunger	74 documents	Goal 11: Sustainable cities and communities	37 documents
Goal 3: Good health and well-being	241 documents	Goal 12: Responsible consumption and production	44 documents
Goal 4: Quality education	21 documents	Goal 13: Climate action	55 documents
Goal 5: Gender equality	12 documents	Goal 14: Life below water	50 documents
Goal 6: Clean water and sanitation	83 documents	Goal 15: Life on land	31 documents
Goal 7: Affordable and clean energy	353 documents	Goal 16: Peace, justice and strong institutions	36 documents
Goal 8: Decent work and economic growth	68 documents	Goal 17: Partnership for the goals	47 documents
Goal 9: Industry, innovation and infrastructure	101 documents		

1. Authors: Teymurova V.E., Abdullayeva S., Muradova K., Aslanova M.M., Bayramli M.
Focus: Environmental challenges in Azerbaijan and their economic costs.
Methods: Policy and economic analysis of pollution, land degradation, and green technology efforts.
Findings: Environmental degradation imposes significant costs; human capital and education are weakly integrated into sustainability strategies.
Recommendation: Strengthen human capital, education, and international cooperation to drive innovation and sustainable competitiveness.
Full text

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2. Authors: Mukhametov A.E., Moreva E.L., Bayramli M., Smirnov A.V., Egorov I.
Focus: SMART diversification strategy for Arabian Peninsula economies.
Methods: Historical analysis (1970–2023) of oil price trends and economic diversification models.
Findings: Oil dependence threatens stability; diversification into digital technologies, renewable energy, and tourism improves resilience.
Recommendation: Adopt SMART strategies to ensure political stability and economic sustainability.
Full text

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3. Authors: Abbasov G.Z., Mustafayev A.G., Mammadova G.N., Umudov I.I., Nurubeyli T.K., +1 author
Focus: AI-driven digital twins for transport component durability.
Methods: Simulations with Bayesian inference to predict thermomechanical stress.
Findings: Stress uncertainty reduced by 30%, component lifespan increased by 25%.
Recommendation: Use AI-based predictive maintenance for safer, cost-effective, and sustainable transport systems.
Full text

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4. Authors: Umudov I.I., Maharramov V.A., Mammadova G.N., Nurubeyli T.K., Abbasov G.Z.
Focus: AI-driven optimization of energy use in soft drink production.
Methods: Digital twins with regression, linear programming, and Monte Carlo simulations.
Findings: Production volume strongly affects energy use; AI reduces downtime (25%) and energy use (15%).
Recommendation: Adopt AI tools for smarter and greener industrial energy management.
Full text

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5. Authors: Mustafayeva G.A., Mammadova S.Y., Balajayeva T.P.
Focus: Climate-resilient infrastructure for sustainable competitiveness.
Methods: Case studies and policy analysis linked to COP-29 goals.
Findings: Resilient infrastructure saves costs, improves health, and attracts investors.
Recommendation: Integrate climate goals into infrastructure planning for sustainable growth.
Full text

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6. Authors: Mammadova L.
Focus: Azerbaijan's 2023–2024 judicial reforms on in absentia trials.
Methods: Legal analysis and comparison with Germany.
Findings: Safeguards exist, but issues remain in defendant notification and remedy enforcement.
Recommendation: Improve procedural consistency to enhance trust and access to justice (SDG 16).
Full text

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7. Authors: Macnunlu K., Babazade R.H., Hasanova T.
Focus: Ecological sustainability of agroecosystems in Azerbaijan's Barda district.
Methods: Remote sensing (NDVI, SAVI), GIS, precision farming.
Findings: Soil health and crop productivity can be improved with sustainable practices.
Recommendation: Apply precision farming to optimize land use and boost exports.
Full text

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8. Authors: Hashimova L.F.
Focus: Cultural heritage protection as a human rights issue.
Methods: Legal analysis of treaties and European Court of Human Rights rulings.
Findings: Heritage destruction is a human rights violation.
Recommendation: Strengthen international legal frameworks for cultural heritage protection, especially in conflict zones.
Full text

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9. Authors: Babayev F.F., Goncharenko I.M., Mazur H., Abdullaev U., Chernyaha L.
Focus: Role of foreign investment in Ukraine, Azerbaijan, and Uzbekistan.
Methods: Comparative economic analysis.
Findings: Investment boosts GDP, jobs, and innovation but risks overdependence.
Recommendation: Create a balanced investment climate to maximize benefits while limiting risks.
Full text

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10. Authors: Mikhnevych L.V., Luchko I., Gahramanova N., Dubova O., Myskovets I.
Focus: Biodiversity conservation laws in Ukraine and Azerbaijan.
Methods: Comparative legal study.
Findings: Ukraine has stronger protected areas; Azerbaijan incorporates traditional knowledge. Alignment with international standards is weak.
Recommendation: Strengthen enforcement and international cooperation for biodiversity protection.
Full text

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11. Authors: Mustafayev E., Guliyev H.
Focus: Inflation dynamics in Azerbaijan.
Methods: Macroeconomic analysis of oil price influence and policy responses.
Findings: Inflation controlled post-2011 but vulnerable to oil volatility since 2021.
Recommendation: Reduce oil dependency and apply stronger inflation-management policies.
Full text

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12. Authors: Abdullayev K., Badalova S., Mustafayev A., Zeynalov M., Babayeva A.
Focus: Development of Azerbaijan's digital economy.
Methods: Policy and economic analysis.
Findings: Digital economy faces funding and literacy challenges; human capital and foreign investment are key.
Recommendation: Expand IT education, involve foreign experts, and improve digital skills through policy support.
Full text

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13. Authors: Changizi K.K., Gangiov G., Abbasov V.
Focus: Iran–Azerbaijan trade relations (1991–2018).
Methods: Gravity model of trade analysis.
Findings: Trade potential is high but hindered by banking, customs, and financial barriers.
Recommendation: Remove structural barriers to significantly expand trade cooperation.
Full text

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14. Authors: Aliyev S.T., Babayev F.F., Galandarova U., Gafarli G., Balajayeva T.P.
Focus: Regional economic security in Azerbaijan (2005–2022).
Methods: Integrated socioeconomic indicator analysis.
Findings: Agriculture and trade are key; employment and wages strongly influence regional stability.
Recommendation: Diversify economy and strengthen regional development policies.
Full text

15. Authors: Celik S.Z., Rustamov R.B.
Focus: Advances in solar cell technologies.
Methods: Review of three generations of solar cells.
Findings: Tandem solar cells offer highest efficiency potential.
Recommendation: Invest in tandem solar technology for sustainable and cost-effective solar power.
Full text

16. Authors: Babayev F.F., Goncharenko I.M., Mazur H., Abdullaev U., Chernyaha L.
Focus: Foreign investment and economic growth in post-Soviet states.
Methods: Comparative regional study.
Findings: Investment improves GDP, jobs, and innovation but risks dependency.
Recommendation: Maintain a favorable yet balanced investment climate.
Full text

17. Authors: Mikhnevych L.V., Luchko I., Gahramanova N., Dubova O., Myskovets I.
Focus: Biodiversity conservation laws in Ukraine and Azerbaijan.
Methods: Comparative legal analysis.
Findings: Ukraine has a stronger protected area system; Azerbaijan integrates traditional knowledge. Both face challenges in aligning with international standards.
Recommendation: Improve legal frameworks, enforcement, and cooperation for better conservation outcomes.
Full text