Baku State University

ANNUAL PROGRESS REPORT: 2024

http://sdg.bsu.edu.az/

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ACADEMIC CONTRIBUTION TO SDGS



INTRODUCTION

Baku State University (BSU) remains steadfast in its commitment to advancing the United Nations' Sustainable Development Goals (SDGs), recognizing its critical role in fostering a sustainable future for Azerbaijan and the global community. As a leading institution of higher education, BSU understands the importance of integrating the SDGs into its core activities, including education, research, community engagement, and operations. This report provides a comprehensive overview of the university's progress in the past year, highlighting key achievements, ongoing initiatives, and future goals related to sustainable development.

In the 2024, BSU has made significant strides in aligning its strategic priorities with the SDGs. These efforts have been driven by a holistic approach that integrates sustainability across all facets of university life, from curriculum development to research projects, and from campus operations to partnerships with local and international stakeholders. This approach not only prepares our students to become leaders in sustainable development but also ensures that BSU contributes meaningfully to the global agenda.

The report is structured to provide insights into our progress on each of the 17 SDGs, with particular focus on areas where BSU has made the most impact. It also outlines challenges faced during the year and identifies opportunities for further enhancement of our sustainability initiatives. Through continuous evaluation and adaptation, BSU is committed to staying at the forefront of efforts to achieve the SDGs by 2030.



This year’s report also reflects BSU's growing emphasis on collaboration, both within the university and with external partners. We believe that achieving the SDGs requires collective action, and BSU is actively engaged in fostering partnerships that amplify our impact on sustainable development. Our dedication to the SDGs is not just a response to global challenges but a reflection of our values and our vision for the future.

As we look ahead, BSU remains dedicated to integrating the principles of sustainability into all aspects of university life. We are proud of the progress made thus far and are committed to building on this foundation to ensure that BSU continues to lead by example in the pursuit of a sustainable, equitable, and prosperous future for all.

Baku State University

2024 REPORT ON

1 NO POVERTY



INTRODUCTION



Baku State University (BSU) adopts a strategic and inclusive approach toward achieving Sustainable Development Goal 1 (SDG 1) – *No Poverty*. Recognizing that access to quality education is a key driver in breaking the cycle of poverty, the university implements comprehensive financial support mechanisms, including state-funded scholarships, tuition waivers, and subsidized housing. These measures ensure that students from low-income and socially vulnerable backgrounds have equal opportunities to pursue higher education without being hindered by economic barriers.

In addition to direct financial assistance, BSU actively involves its academic -staff in conducting research, developing innovative solutions, and providing policy recommendations aimed at poverty reduction and social equity. Faculty members contribute their expertise to national and international initiatives, collaborating with government bodies, NGOs, and global organizations to address the root causes of poverty.

Through community outreach programs, training workshops, and knowledge-sharing platforms, BSU extends its impact beyond the campus, helping to empower local communities with skills and resources. By combining education, research, and active social engagement, BSU not only supports individual students but also contributes to broader societal progress toward eradicating poverty in line with the United Nations' sustainable development agenda.

NO POVERTY (SDG 1)

BSU is a state university, and in addition to the paid education, there are also seats which are allocated under the state order. These seats are taken by students, who pass through the competition for free education, gaining more points than competitors, regardless of their material well-being.

Number of students	Number of students getting state scholarship	Number of low-income students receiving financial aid	Number of students getting aid from Students Union
• 2200+	• 15000+	• 1300+	• 200+

In total, more than 75% of university students study for free. Student admission is implemented in centralized order by the State Commission of Students Admission, with test method.

BSU is a state university, and in addition to the paid education, there are also seats which are allocated under the state order. These seats are taken by students, who pass through the competition for free education, gaining more points than competitors, regardless of their material well-being.



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.

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

Through the “Youth to Business” Forum, BSU brought together students, business representatives, and policymakers to explore sustainable economic models and employment opportunities. The event particularly focused on empowering youth from low-income backgrounds, thereby contributing indirectly to poverty reduction by enhancing access to the labor market.



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

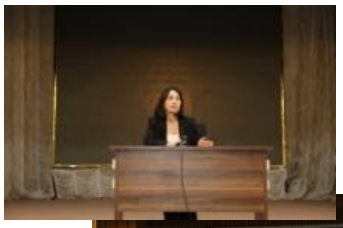
Additionally, within the framework of **COP29**, BSU hosted a parallel session titled *“Sustainable Development Goals and Universities – International Cooperation Experience”*. This event facilitated knowledge exchange on how education can serve as a powerful tool in alleviating poverty and highlighted the global contribution of universities to the SDGs.







Meeting with representatives of the Education Student Loan Fund at BSU







The **meeting with representatives of the Education Student Loan Fund** provided BSU students with comprehensive information about available financial support mechanisms. Such initiatives play a vital role in removing socioeconomic barriers to higher education, ultimately improving students' long-term welfare and economic mobility.

Collectively, these efforts reflect BSU's commitment not only as an academic institution but also as a socially responsible entity striving to eliminate poverty through education, innovation, and inclusive collaboration.

Ranking Results







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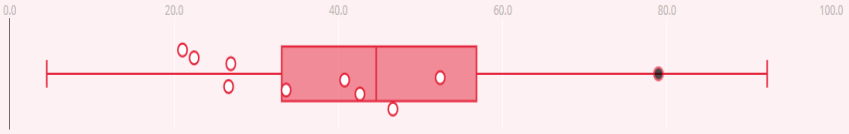
1 NO POVERTY

THE IMPACT RANKINGS

NO POVERTY

QUALIFYING SDG - 26% OF OVERALL

SCORE 79.0 RANK =47 out of 1267 institutions



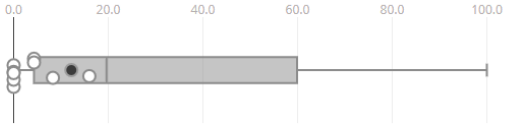
SCORE 67.5 **Research on poverty**

27% OF THIS SDG



SCORE 12.2 **No poverty: publications**

10% OF THIS SDG



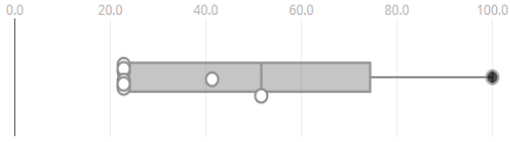
SCORE 100.0 **Papers co-authored with low or lower-middle income countries**

7% OF THIS SDG



SCORE 100.0 **No poverty: FWCI**

10% OF THIS SDG



http://sdg.bsu.edu.az/

1 NO POVERTY

MEMBERSHIPS:

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

ISCN
International Sustainable Campus Network

CANIE
climate action network

GUNI
GLOBAL UNIVERSITY NETWORK FOR INNOVATION

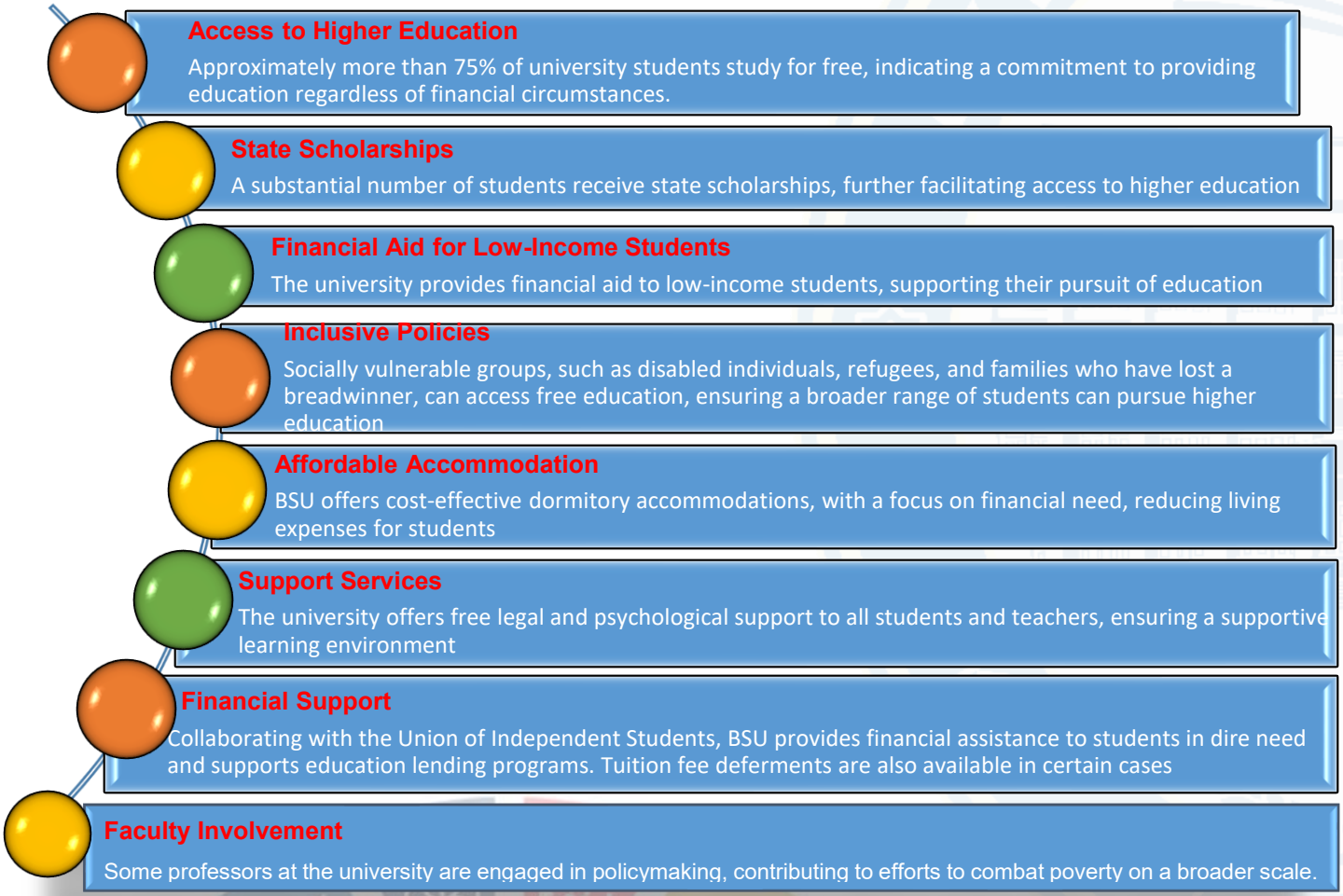
Research

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		

CONCLUSION

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



FUTURE GOALS

To further advance their efforts to address the "No Poverty" Sustainable Development Goal (SDG 1), Baku State University (BSU) can consider the following future steps:



Baku State University

2024 REPORT ON

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



INTRODUCTION



Sustainable Development Goal 9 aims to build resilient infrastructure, promote inclusive and sustainable industrialization, and foster innovation. As a leading institution of higher education in Azerbaijan, BSUis uniquely positioned to contribute to this goal through research, education, and collaboration with industry partners. This report provides an overview of BSU's current efforts and future to advance SDG 9.

INFRASTRUCTURE DEVELOPMENT



BSU is committed to developing and maintaining sustainable infrastructure that supports educational excellence and community engagement. Key initiatives include:

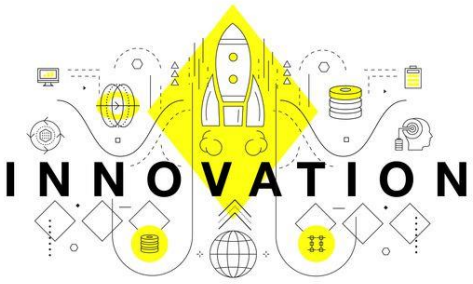
- **Green Campus Initiative:**
    - **Energy Efficiency:** Implementation of energy-efficient buildings and renewable energy sources, such as solar panels, to reduce the campus's carbon footprint.
- **Smart Classrooms and Laboratories:**
    - **Digital Learning Tools:** Integration of advanced technologies like smartboards, virtual reality, and online collaboration platforms to enhance the learning experience.
    - **Laboratory Upgrades:** Investment in state-of-the-art laboratory equipment to support cutting-edge research and innovation.
- **Accessibility Improvements:**
    - **Inclusive Design**: Ensuring that campus facilities are accessible to all, including individuals with disabilities, by adhering to universal design principles.
    - **Digital Accessibility:** Providing accessible digital resources and tools to support inclusive learning and research environments.







2.2. RESEARCH AND INNOVATİON



BSU fosters a culture of research excellence and innovation, focusing on areas that contribute to sustainable industrial development:

- **Research Centers and Institutes:**
  - **Institute of Nanotechnology:** Conducting pioneering research in nanomaterials and their applications in various industries.
  - **Biotechnology Research Center**: Advancing research in medical biotechnology and environmental sciences to address global challenges.
- **Collaborative Research Programs:**

- **Industry Partnerships:** Collaborating with local and international companies to conduct research that addresses industry-specific challenges and promotes sustainable practices.
- **Interdisciplinary Research:** Encouraging collaboration across disciplines to develop innovative solutions to complex problems.

- **Innovation Competitions and Hackathons:**
  - **Student Innovation Challenges:** Organizing competitions that encourage students to develop innovative solutions for real-world problems, fostering creativity and entrepreneurship.



2.3. INDUSTRY COLLABORATİON



BSU actively engages with industry partners to drive technological advancement and sustainable industrialization:

- **Partnerships with Industry Leaders:**
  - **Technology Transfer:** Facilitating the transfer of knowledge and technology between the university and industry to support economic growth and innovation.

- **Joint Research Initiatives:** Collaborating on research projects that align with industry needs and contribute to sustainable development.

- **Internship and Placement Programs:**
  - **Work-Based Learning:** Providing students with opportunities to gain practical experience through internships, co-op programs, and industry placements.
  - **Skill Development:** Aligning curriculum with industry requirements to equip students with the skills needed for future jobs.

- **Entrepreneurship Development:**
  - **Start-up Incubation:** Supporting start-ups and entrepreneurial ventures that focus on sustainable solutions and social impact.
  - **Entrepreneurial Education:** Offering courses and workshops on entrepreneurship to nurture a culture of innovation and creativity.



3.ACHİEVEMENTS AND IMPACT



BSU has made significant progress in advancing SDG 9, with notable achievements in research, collaboration, and infrastructure development:

3.1. RESEARCH EXCELLENCE

- **Renewable Energy Innovations:**
  - **Solar and Wind Energy Projects:** Development of innovative solutions for harnessing renewable energy, contributing to the transition to a low-carbon economy.
- **Biotechnology Advancements:**
  - **Medical Biotechnology:** Breakthroughs in medical research, including the development of new treatments and diagnostic tools.
  - **Environmental Solutions:** Research on bioremediation and sustainable agriculture to address environmental challenges.



3.2. INDUSTRY RECOGNİTİONS

- **Awards and Accolades:**
  - **Innovation Awards:** Recognition from industry bodies for outstanding contributions to technological advancement and sustainable industrial practices.
  - **Successful Alumni:** Graduates who have founded successful businesses and ventures aligned with sustainability principles.
- **Strong Industry Partnerships:**
  - **Collaborative Successes**: Successful completion of joint projects with industry partners that have led to the development of innovative products and services.





4. CHALLENGES AND OPPORTUNİTİES

4.1. Challenges

- **Resource Constraints:**



  - **Funding Limitations:** Securing sufficient funding for large-scale infrastructure projects and research initiatives can be challenging.
  - **Technological Gaps:** Bridging the gap between existing infrastructure and cutting-edge technology requires significant investment and planning.

- **Industry Engagement:**
  - **Collaboration Barriers:** Overcoming barriers to collaboration, such as differing priorities and communication challenges, between university and industry.

4.2. Opportunities

- **Strategic Partnerships:**
  - **Global Collaborations:** Expanding international partnerships to access global expertise and resources in sustainable industrialization.
  - **Government Support:** Leveraging government initiatives and funding programs to support infrastructure and innovation projects.
- **Innovation Ecosystem:**
  - **Entrepreneurial Culture:** Nurturing an entrepreneurial culture encourages risk-taking and creativity among students and faculty.

- **Sustainability Focus:** Capitalizing on growing demand for sustainable solutions to drive research and innovation in key areas.

5. FUTURE



To further enhance BSU's impact on SDG 9, the following strategies are:

5.1. Infrastructure Expansion

- **Sustainable Campus Development:**
  - **Green Building Projects:** Continue developing energy-efficient buildings and facilities that minimize environmental impact.
  - **Smart Campus Solutions:** Implement smart technologies for energy management, waste reduction, and resource optimization.
- **Digital Transformation:**
  - **Online Learning Platforms:** Expand online learning offerings to reach a wider audience and support lifelong learning.
  - **Cybersecurity Measures:** Enhance cybersecurity infrastructure to protect digital assets and ensure data privacy.

5.2. Research and Innovation



- **Investment in Emerging Technologies:**
  - **Advanced Research Facilities:** Establish state-of-the-art research centers focusing on emerging technologies like artificial intelligence, IoT, and sustainable materials.
  - **Interdisciplinary Collaboration:** Foster interdisciplinary research teams to tackle complex challenges and drive innovation.
- **Innovation Support Programs:**
  - **Entrepreneurial Support:** Provide funding, mentorship, and resources for student-led start-ups and entrepreneurial ventures.
  - **Innovation Hubs:** Create dedicated spaces for innovation and collaboration, bringing together students, faculty, and industry partners.

5.3. Strengthening Industry Partnerships

- **Collaborative Research Projects:**
  - **Industry-Aligned Research:** Initiate projects with industry partners that address critical challenges and promote sustainable practices.
  - **Knowledge Transfer Programs:** Facilitate knowledge transfer through workshops, seminars, and joint initiatives with industry experts.

- **Workforce Development:**
  - **Skill Alignment:** Continuously update curriculum and training programs to align with industry needs and future job markets.
  - **Lifelong Learning:** Offer professional development opportunities and continuing education programs for industry professionals.





The micromorphology of different types of plants is studied at BSU

The scientific article "Micrometer insights into Nepeta genus: Pollen micromorphology unveiled" co-authored by Afet Mammadova, Dean of the Faculty of Biology of BSU(BSU), has been submitted to the "Scopus" and "Web of Science" databases. was published in the journal Micron (IF: 2.3).

https://www.sciencedirect.com/science/article/pii/S0968432823001725



A young scientist of BSU is conducting research on green energy production



A young scientist of BSU conducts research on green energy production. "Molecular-dynamic modeling of the stability of MAPbX3 (X=I-, CL-, BR) structures as solar cells" co-authored by Lala Kahramanli, the leading researcher of the Nanoresearch laboratory of the Excellence Center for Research, Development and Innovations of BSU. -dynamics modeling of structural stability of

MAPbX3 (X=I-, CL-, BR-) as solar cells elements") was published in "Ovonic Research" magazine (IF: 1.165).

https://chalcogen.ro/index.php/journals/journal-of-ovonic-research/12-jor/614-volume-20-number-1-january-february-2024?showall=1

Methods of formation of hybrid organic/inorganic perovskite structures in the form of thin layers and their stability were studied. A molecular dynamics simulation approach was used to conduct a theoretical analysis of materials based on MAPbX3 (X=I-, CL-, BR-) hybrid organic/inorganic perovskites. In the research work, the flexible and rigid joint models of perovskites were analyzed in detail with various modeling methods, as well as the effect of the thermal process on the structure.

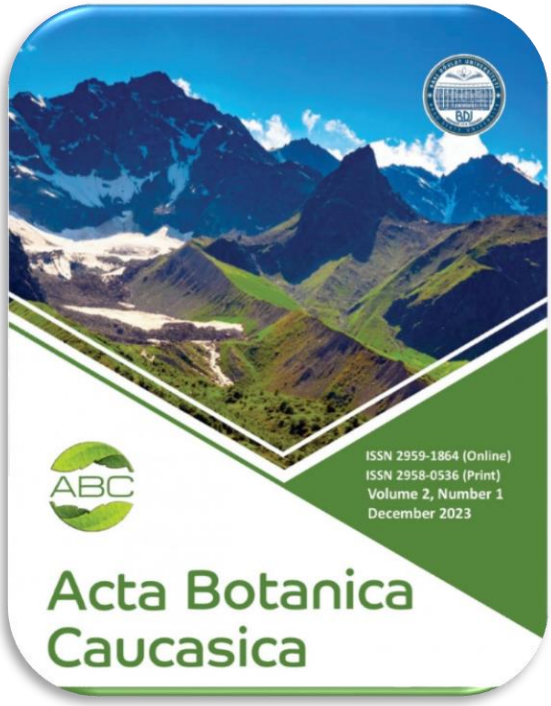


Scientific seminar on "Prospects of rechargeable Sodium-Ion batteries

A scientific seminar on “Prospects of Rechargeable Sodium-Ion Batteries” was held at the Nano research Laboratory of BSU. The presentation covered the structure, advantages, parameters, and innovations of sodium-ion batteries compared to lithium-ion batteries. It was noted that while their structure is like lithium-ion batteries, sodium ions are used instead of lithium, offering lower production costs due to abundant sodium resources. Unlike sodium-sulfur batteries, they can be produced in similar sizes to lithium-ion batteries. However, anode materials in sodium-ion batteries swell significantly when interacting with sodium, causing mechanical damage and loss of electrical contact. Recent studies on new graphite layer applications for negative electrodes have increased expectations that sodium-ion batteries may eventually replace lithium-ion batteries. The seminar concluded with a Q&A session.



The Scientific Journal founded by BSU has been indexed in the ARGIS



The journal "Acta Botanica Caucasica," published by BSU, has been indexed in the International System For Agricultural Science and Technology (Agris) of the UN Food and Agriculture Organization (FAO) and assigned a unique identification code. AGRIS is a major global public database containing over 12 million bibliographic records in agricultural science and technology and is recognized as a leading resource in biological and agricultural research. Operating since 1974, AGRIS collects information from more than 150 institutions, including academic centers, publishers, government bodies, and international organizations across 65 countries. Over 400,000 researchers and specialists worldwide utilize AGRIS, which enables advanced searches using keywords from the AGROVOC database, journal titles, or the names of countries, institutions, and authors.

A new opportunity for students engaged in startup activities



The 3rd part of the "Viveka Company Creation Program" project is launched only for BSU within the framework of the "Viveka" project of Turkey's leading strategy innovation consulting firm "Viveka" with the initiative of the Innovations and Digital Development Agency and the sponsorship of "PASHA Holding". This program provides a unique opportunity for those who are ready to turn their entrepreneurial dream into reality but don't know where to start. The Viveka Company Creation Program provides the knowledge, resources and support needed to take startups to new heights. Those who will join the program will gain theoretical and practical knowledge of technological solutions, legal, financial, market and other aspects of startup construction based on the model proposed by "Viveka". The Viveka Company Creation Program will help you achieve No-Code MVP speed, which allows you to develop and fill a Minimum Viable Product without the need for sophisticated skills.

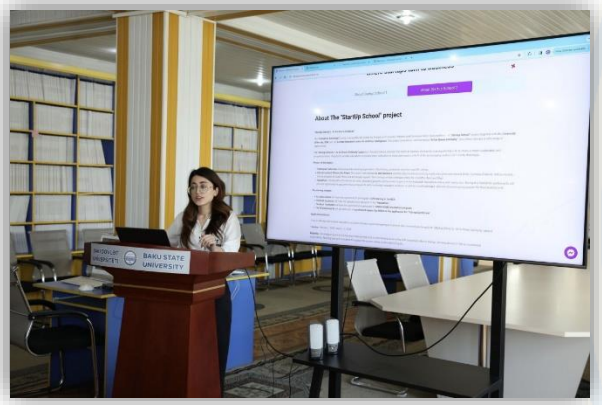
StartUp School 2 - AI for Green Solidarity project was presented at BSU



An educational event was held at BSU within the framework of the "Startup School 2 - AI for Green Solidarity" project, organized by the "Enterprise Azerbaijan" portal. The initiative, implemented in partnership with international institutions, aims to support youth ideas, develop their knowledge and skills in artificial intelligence, and promote innovation culture in Azerbaijan. During the event, students received information on project goals, participation criteria, and opportunities to transform ideas into business. A quiz on innovation and startups was also conducted, and active participants were awarded books. The program concluded with visits to BSU's scientific and research centers.









Scientific seminar on mitochondrial genetic diseases at the Biology Faculty

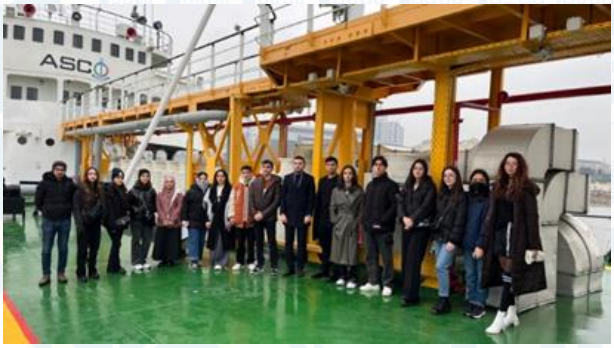


Under the organization of the Student Scientific Union of the Faculty of Biology of BSU, a scientific seminar dedicated to the "Year of Solidarity for the Green World" was organized under the name "Molecular organization of complex I in the mitochondrial electron-transport chain and a series of genetic mechanisms arising as a result of its activities". It was organized by second-year graduate students of the Faculty of Biology in the format of the defense of scientific research work. It was mentioned in the report that mitochondria are one of the permanent organelles of each of you. The main task of mitochondria is the synthesis of substances that provide energy - adenosine triphosphate acid (ATF). Genetic information resulting

from the internal chain electron transfer of mitochondria was reported. The speakers talked about the research and manifestation of this genetic information and talked about the methodology of the research. In the end, the questions were answered.

BSU volunteers visited Surakhani Ship Museum

The members of BSU "BSU Volunteers" organization organized an excursion to "Surakhani" ship-museum of "Azerbaijan Caspian Sea Shipping" CJSC (ASCO). During the excursion, students-young people were informed about the ship-museum and the development of shipping in Azerbaijan. Then the volunteers got acquainted with the exhibits. It should be noted that "Surakhani" ship-museum is the first tanker-type museum in the world. A number of innovative innovations have been made in the halls of the museum using the most modern technological equipment. Here, the history of the Caspian Sea, oil production in Absheron, the development of shipping, navigation tools, sea knots with a history of nearly 5000 years, and the equipment used during the operation of ships are displayed.







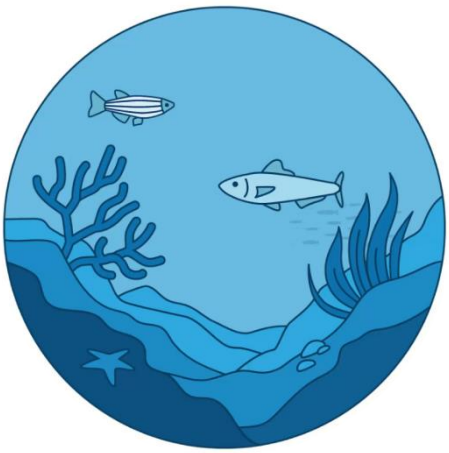





SURAXANI







Project "SAP hydrogel based Smart Irrigation System" by BSU employee became the winner of Baku Water Week

The project "SAP hydrogel based Smart Irrigation System" by Ilyas Nasibov, the director of the Student Scientific and Technical Creativity Center of BSU , has become one of the 3 winning startups at the International Exhibition and Conference Baku Water Week. This irrigation system operates on the principle of IoT (Internet of Things) and is designed for use in cultivated fields and greenhouses, significantly reducing water consumption. This will enable localized irrigation depending on the soil moisture level. Moreover, hydrogels applied to the soil will be able to maintain the required moisture level for the plants for an extended period. Entrepreneurs will be able to track and control numerous parameters through a mobile application including temperature, relative humidity, CO2 content, atmospheric pressure, soil moisture level, mineral content in the soil, and photosynthetic active radiation.





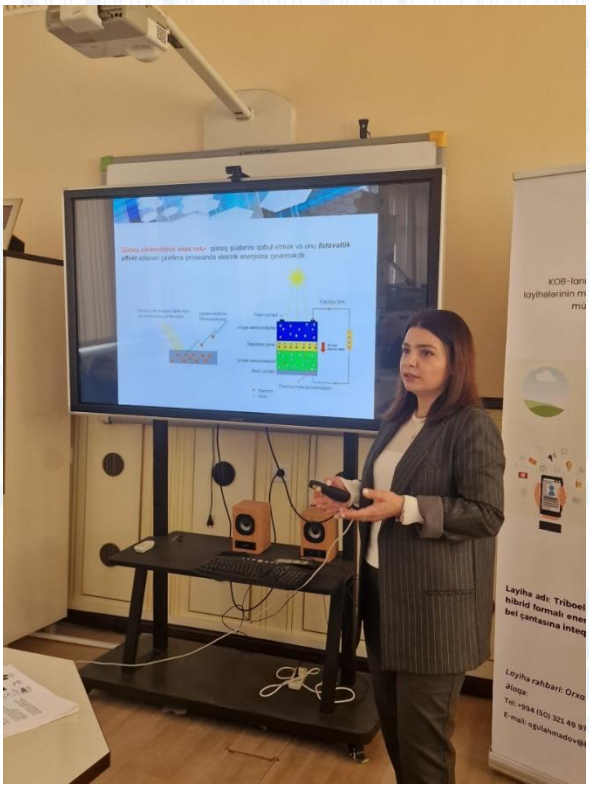
BSU hosts Workshop titled Crystals, Quasicrystals, and Applied Folk Art

A workshop was held on crystallography, focusing on crystals, quasicrystals, and their connection with applied folk art. The presentation highlighted fundamental discoveries in crystallography, the unique nature of quasicrystals, and their recognition with a Nobel Prize. Concepts such as Penrose networks and Einstein's "moltile" were discussed as tools for solving crystallographic problems. The session also explored geometric patterns in medieval Eastern art and showcased modern artworks in tessellation style. It ended with an interactive Q&A





BSU Nano Research Laboratory hosts scientific seminar titled Nanomaterials for Hybrid Solar Cells



A scientific seminar was held at the Nano Research Laboratory of the Center for Excellence in Research, Development, and Innovation of BSU. The presentation, titled “Nanomaterials for Hybrid Solar Cells,” focused on the growing interest in alternative energy sources, especially solar panel production, where performance depends on the properties of the materials used. The speaker discussed the synthesis and modification of innovative materials with enhanced characteristics, as well as the development timeline of solar cells. The seminar also covered the structure and optical properties of hybrid materials for solar cell electrodes synthesized in the laboratory and noted plans to develop a multi-pass, tandem hybrid photovoltaic based on perovskite layers.



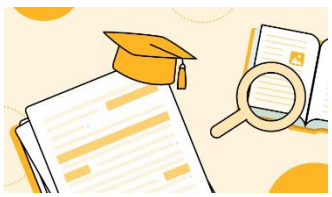
BSU Launches Academic Writing Support Program to Foster Student Success



BSU has launched the Academic Writing Support Program to strengthen students' scholarly communication skills. The program provides individualized consultations, workshops, and guidance on citation and referencing, available both online and on campus. It is open to all students and aims to improve clarity, structure, and academic integrity in writing, while preparing participants for research publication and postgraduate studies. This initiative reflects the university's commitment to academic excellence and fostering a strong culture of research and communication.

The program offers a wide range of services:

- **Individualized Consultations:** One-on-one sessions with writing tutors for tailored feedback.
- **Workshops and Training:** Practical sessions on structuring essays, organizing research papers, and presenting arguments effectively.
- **Citation and Referencing Guidance:** Support in mastering different citation styles to ensure accuracy and academic integrity.
- **Flexible Access:** Both online and on-campus options are available to meet diverse student needs.



The student scientific society of BSU launches seminar in commemoration of the year of solidarity for a Green World

BSUStudent Scientific Society (SSC) launched a seminar series as part of the "Year of Solidarity for the Green World," engaging students from multiple faculties including Chemistry, Physics, Geography, History, Ecology, and Soil Science. The seminars aimed to promote awareness of environmental sustainability, urban planning, renewable energy, and innovative green technologies among the student community.

The sessions emphasized national priorities for clean environment and green growth, exploring practical approaches to improving urban spaces, implementing green infrastructures, and promoting renewable and hybrid energy systems. Presentations covered topics such as sustainable city planning, green fuels as alternatives to fossil fuels, hybrid energy systems including hydroelectric power plants, and the role of modern technologies in reducing carbon emissions and supporting eco-friendly practices. Case studies from international cities were discussed, highlighting successful strategies like green roofs, vertical gardens, and bicycle infrastructures, as well as initiatives planned and implemented in Azerbaijan.

The seminars concluded with discussions on how students can contribute to environmental awareness and sustainable development through research, innovation, and community engagement, reinforcing the role of youth in shaping a greener future.



http://sdg.bsu.edu.az/

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

















Collaborative sturgeon genome analysis conducted with BSU

In collaboration with Baku State University, LU-MUN HOLDING, the İzmir Institute of Technology, Bayramlı Group, and Turkey's Letgen Biotechnology, genetic research was conducted on sturgeon populations in Azerbaijan's Caspian waters to verify their endemic origins. Microsatellite analysis across six loci in 125 individuals identified 90 alleles, revealing a distinct genetic structure that enables accurate discrimination between pure species and hybrids—crucial for authentic caviar sourcing. The project also involves ongoing efforts to collect additional samples and geographically map sturgeon populations to complete the genetic profiling of Azerbaijan's endemic sturgeon species.









THE STATE WATER RESOURCES AGENCY OF AZERBAIJAN ORGANIZED A TRAINING SESSION TITLED: THE IMPACT OF CLIMATE CHANGES ON WATER RESOURCES AT BSU



Baku State University's Faculty of Ecology and Soil Science, in partnership with the Water and Reclamation Scientific Research Institute of the Azerbaijan State Water Resources Agency, organized a training session on "The Impact of Climate Change on Water Resources", emphasizing Azerbaijan's role in hosting COP29. Participants learned about water extraction, treatment, transportation, irrigation, and resource management, as well as the advantages of applying digital technologies like SCADA systems for monitoring. The seminar also included expert presentations on the effects of climate change on water resources and aquatic ecosystems. This initiative aimed to enhance student awareness and capacity in managing water sustainably within the context of evolving climate challenges.



BSU biology faculty students visit Azerkosmos



Students from the Faculty of Biology at BSU visited the Azerbaijani Space Agency "Azerkosmos" Satellite Management Center as part of the "Year of Green World Solidarity" seminar. Presentations were given by Nigar Kazimova, chief specialist in PR and communication, and Joshgun Garayev, chief specialist in antenna and radio frequency, outlining the agency's operations. Students toured the satellite operations room and antenna site. Saleh Nabiyev, leading specialist in soil science at "Azerkosmos" GIS Center, presented on Azerbaijani satellites' data capabilities for ecosystem and biodiversity management. Finally, Biology Faculty's deputy dean Yusif Abiyev introduced students to semi-desert biodiversity and rare plant species.



BSU colleagues participate in the Global Sustainable Development Congress

The "Global Sustainable Development Congress," organized by the influential "Times Higher Education" (THE) agency, is taking place in Bangkok, Thailand. Representing BSU at the Congress are Asiman Ilyasov, Rector's Quality Assurance Advisor; Shabnam Safarova, Digitalization and Information Technology Advisor; Rauf Hasanov, Head of the International Relations Department; and Jahan Ganizade, Head of the Protocol Sector.

BSU is featured in the Azerbaijan pavilion at the Congress, which attracts prestigious higher education institutions. Over 3,000 representatives and more than 350 speakers are expected to attend the three-day event.

The Congress will also showcase the results of the THE Impact Rankings 2024, the only global ranking that evaluates universities based on the Sustainable Development Goals. This will include a live question-and-answer session





exclusively for delegates.

Scientific seminar on Research of topological insulator and quantum materials with thermoelectric properties at BSU

BSU recently held a scientific seminar titled *"Basic Approaches in the Design of Quantum Materials with Topological Insulator and Thermoelectric Properties and Research of Their Properties."*

The event featured a detailed presentation on the importance of topological insulating and thermoelectric materials, highlighting current approaches to improving their properties and exploring their potential applications in various fields.





Ankara University of Social Sciences in Turkey hosts seminar at BSU on implementing socio-village systems in universities



BSU hosted a two-day seminar in collaboration with Ankara University of Social Sciences, focusing on adapting socio-village systems and ecosystems to university settings. The event built on existing cooperation between the two institutions, including a memorandum of understanding and participation in the Erasmus+ K171 exchange program, with future plans for joint social research projects.

Key points from the seminar included:

- Exploring ways to apply the socio-village model at BSU.
- Presentations on integrating socio-village systems and innovation ecosystems into higher education.
- Emphasis on creating technology parks and innovation-friendly environments.
- Strengthening staff capacity in innovation and supporting social innovation in education.
- Providing resources for students to develop and implement innovative ideas.

The seminar reinforced the commitment of both universities to advancing social sciences and innovation through collaborative projects and knowledge exchange.





NEW SPECİALİZATİON AT BSU: ENVİRONMENTAL ENGİNEERİNG

Baku State University's Faculty of Ecology and Soil Science has established a new bachelor's degree program in Environmental Engineering. Within this program, students will be trained in environmental protection methods, water purification technologies, soil reclamation, mathematical modeling of ecological and natural processes, waste recycling, GIS applications, ecological design, and aerospace and environmental monitoring. They will also learn about protecting air, water, and soil, understanding the impacts of noise, vibration, and radiation, and conducting risk assessments. Graduates will be well-prepared for careers in ecological projects, energy, agriculture, space and international organizations, including institutions like Azercosmos and the National Aerospace Agency.



BSU WİLL TRAİN SPECİALİSTS İN THE CİTY CADASTRE SPECİALİZATİON FOR THE 2024-2025 ACADEMİC YEAR



Beginning with the 2024/2025 academic year, Baku State University's Faculty of Ecology and Soil Science has launched a new bachelor's program in City Cadastre. This field focuses on the comprehensive organization, registration, and analysis of urban data, covering legal, environmental, and economic dimensions. The program responds to the need for modern urban management strategies in the context of restored cities in Eastern Zangezur and Karabakh, emphasizing smart city solutions, sustainable transport, and green energy. Graduates will be equipped with expertise in urban planning, topography, soil science, and environmental protection. Additionally, the curriculum includes collaboration with institutions such as the State Service for Real Estate Affairs, the Urban Planning and Architecture Committee, Azercosmos, and other relevant organizations.

Astronomical Observation Days at BSU



At BSU, the "Sky Observation Festival 2024" (SOF 2024) was held with astronomical observation days. Supported financially by the Youth Foundation of the Republic of Azerbaijan, the project aimed to increase students' interest in astronomy and to familiarize them with modern research and advanced technologies used in the field.

On the first day of the project, an initial round of the "Astronomy Quiz" competition was held among participants. Six teams competed in this preliminary round, where they were asked 10 questions. The top five teams with the highest scores advanced to the next stage of the festival.



After this, students received technical training on how to use telescopes. Festival participants observed the Sun and solar spots through telescopes at the Student Scientific and Technical Creativity Center of BSU.

It should be noted that from August 1-3, various masterclasses and astronomical observation events were organized during the following days of the festival.









Student admissions open for 6 specializations at BSU's Faculty of Biology

BSU`s Faculty of Biology is a leading research and education center for biological sciences in the country. The faculty is equipped with 6 departments and 13 modern teaching laboratories. From the second year of undergraduate study, students are involved in scientific research conducted within these departments.

Students and graduate students have the opportunity to conduct research at laboratories under the BSU Center for Research, Development, and Innovation, including Biomolecular Engineering, Microbiology, and Virology research labs.

The faculty hosts departments in Botany and Plant Physiology, Biophysics and Biochemistry, Molecular Biology and Biotechnology, Zoology and Physiology, Genetics, and Biomedical Materials. Research is conducted in various scientific directions with student participation.

Undergraduate programs offer six specializations:

Biology: Graduates can work in research institutes, industry laboratories (food, pharmaceuticals, etc.), water quality control labs, and medical research facilities.

Biology Education: Graduates are prepared to teach Biology with high professionalism in secondary educational institutions.

Aquatic Bioresources and Aquaculture: Graduates can work in organizations involved in the production, conservation, and management of aquatic resources.

Biotechnology: Graduates can work in biotech-driven production facilities (dairy, meat products, beverages, pharmaceuticals), agricultural biotech labs, and research institutes.

Plant Protection: Graduates can work in institutions under the Ministry of Ecology and Natural Resources, national parks, reserves, and research institutes.

Food Engineering: Graduates can work in educational and production facilities, particularly in laboratories of the Azerbaijan Food Safety Agency and research institutes.

Instruction at the faculty is provided in Azerbaijani, Russian, and English.



Student admission announcement for BSU's Faculty of Ecology and Soil Science

BSU`s Faculty of Ecology and Soil Science offers student admission in three distinct fields of study. The Faculty operates five departments: Ecological Chemistry, Geographic Ecology, Bioecology, Soil Science and Real Estate Cadastre, and Safety of Life Activities. Students and postgraduates have the opportunity to conduct research at the Ecological Chemistry and Environmental Protection Research Laboratory, which operates under the university's Research, Development, and Innovation Excellence Center. Undergraduate programs are available in the following areas:

1. **Ecology** – Graduates can work in various state and private institutions, including the Ministry of Ecology and Natural Resources, Ministry of Agriculture, SOCAR, BP, and the Food Safety Agency.

2. **Ecological Engineering** – Graduates may pursue careers in environmental protection, transportation management, energy systems, oil and gas industry, waste management, agriculture, disaster management, aerospace research, and related high-profile engineering roles in both governmental and private sectors.

3. **Soil Science and Agrochemistry** – Graduates can find opportunities in the Ministry of Agriculture, State Service for Property Issues, Food Safety Agency, Ministry of Ecology and Natural Resources, and various agricultural and soil analysis laboratories.



Land Management and Real Estate Cadastre graduates are prepared for roles in the State Service for Property Issues, City Planning and Architecture Committee, Ministry of Emergency Situations, Ministry of Ecology and Natural Resources, Ministry of Agriculture, and numerous private firms. Instruction at the Faculty is provided in Azerbaijani, Russian, and English.

BDU Team wins 3rd place at Enactus Azerbaijan National Competition



The final stage of the Enactus Azerbaijan National Competition took place on August 16. The BSU Enactus team presented their "AgroX" project in the competition. Competing in the second league, our team scored high and achieved 3rd place in the final stage. The competition featured 24 teams, with 3 teams demonstrating outstanding results in the final stage.

It is worth noting that ENACTUS (Entrepreneurial Action Us) was established in 1975 by universities in the USA. ENACTUS is an international organization that brings together today's and tomorrow's leaders to create a better and more sustainable world through the positive power of business. The ENACTUS global network consists of university students, academic professionals, and business leaders.

Cooperation opportunities between the Ministry of Agriculture and BSU discussed





A meeting was held between the Ministry of Agriculture and BSU to explore areas of cooperation. The discussions focused on strengthening collaboration in education, scientific research, and the development of human resources for the agrarian sector. The Ministry emphasized the country's agrarian development strategy, highlighting the importance of innovation, high technologies, and the growing demand for specialists who can effectively apply modern techniques to improve productivity.

BSU, in turn, presented its academic and research potential, stressing its role in training professionals with strong theoretical knowledge, innovative skills, and competitiveness in both national and international labor markets. The university also underlined its mission to prepare highly qualified pedagogical, engineering, and scientific specialists with a strong sense of responsibility and patriotism.





Both sides expressed confidence that closer cooperation would contribute not only to the professional development of students and researchers but also to the sustainable growth of the agricultural sector in Azerbaijan.

The first training of the "SMART AGRO TECHNOLOGY" project has been held at BSU



The *"Smart Agro Technology"* project, funded by the Youth Foundation of Azerbaijan and implemented at BSU(BSU), has officially started. Young participants were selected through competitive rounds to attend the training. University leaders emphasized the importance of applying technological innovations in agriculture and encouraged youth engagement in projects that enhance scientific and technical knowledge.



The training covered modern agricultural innovations, smart irrigation systems, teamwork principles, and practical applications. Participants actively engaged in the tasks and successfully completed them. The next training session is scheduled for September 11 at BSU.



THE NEXT TRAİNİNG OF THE “SMART AGRO TECHNOLOGY” PROJECT HAS BEEN HELD AT BSU

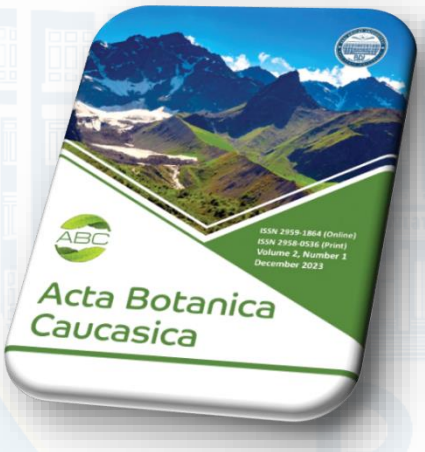


The second training of the “Smart Agro Technology” project was held at BSU. The training emphasized the importance of deep knowledge in natural sciences and the role of food security in national security. It highlighted the need to advance agriculture with modern technologies, especially efficient irrigation systems, given Azerbaijan’s limited freshwater resources. The focus was on developing a field station for the prototype of a smart irrigation system, discussing current system shortcomings and possible solutions, with participants engaging in practical exercises.





The "Acta Botanica Caucasica" journal of BSU has been included in another prestigious database



BSU has achieved significant success in recent times by being included in international indexing and abstracting databases. Recently, "Acta Botanica Caucasica" successfully passed the evaluation processes according to relevant criteria and has been indexed in the "ICI Journals Master List" (Index Copernicus InternationThe "Acta Botanica Caucasica" journal established byal - https://journals.indexcopernicus.com/). It is worth noting that the journal is also included in the "AGRIS" (International System for Agricultural Science and Technology) international database and is listed among the recommended scientific publications in the field of biology and agricultural sciences by the Higher Attestation Commission under the President of the Republic of Azerbaijan. Furthermore, all published articles are assigned digital object identifiers (DOI).

The journal publishes four regular issues each year, and its electronic website (https://www.botanic.az/) has been improved in both structure and content, with an expanded archive database.

"Acta Botanica Caucasica" is an international scientific research journal that publishes original experimental data or new interpretations of existing findings. The journal covers recent research and scientific innovations in various fields of fundamental and applied botany, including anatomy, morphology, phytosociology, floristics, systematics, geobotany, plant resources, medicinal and aromatic plants,

agronomy, paleobotany, taxonomy, lichenology, mycology, algology, biochemistry, biophysics, and more.

Currently, intensive efforts are underway to include the journal in other prestigious databases. The editor-in-chief of the journal is Elshad Gurbanov, the head of the Department of Botany and Plant Physiology at BSU's Faculty of Biology, corresponding member of the Azerbaijan National Academy of Sciences, Doctor of Biological Sciences, and Professor.



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



The Baku Climate Action Week (BCAW) began on September 30 and will continue until October 4, serving as a preparatory platform for COP29, which will be hosted in Baku this November. Organized in collaboration with the London Climate Action Week, the initiative seeks to raise public awareness and mobilize international efforts to combat climate change.



As part of BCAW, BSUwill hold a scientific conference on October 4 at the JW Marriott hotel under the theme "Accelerating Research and Collaboration for Climate Action." The conference will address the scientific and practical dimensions of climate change, emphasizing the role of empirical data, artificial intelligence, and advanced analytical tools. Key topics will include the impact of climate change on transboundary water management, innovative approaches and cooperation mechanisms, and opportunities for international collaboration to strengthen global and regional climate action.

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.

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.

Role of Empirical Data and Innovative Solutions in Climate Action: The proper collection, analysis, and use of empirical data play a crucial role in the fight against climate change. The conference will discuss how this data can be effectively collected and shared. Additionally, innovative technologies and solutions in climate action, including carbon capture and storage technologies, the application of renewable energy sources, energy efficiency, and waste reduction innovations, will also be significant topics of discussion.

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.

Socio-Economic Impacts of Climate Change and Global Policy: Climate change has strong effects not only on the environment but also on socio-economic systems. The conference will discuss the impacts of these changes on economic growth, poverty, migration flows, food security, and employment at both regional and global levels. Concrete steps regarding the economic and legal measures that states must adopt in combating climate change, and how policies should be formulated and implemented, will be part of the discussions.

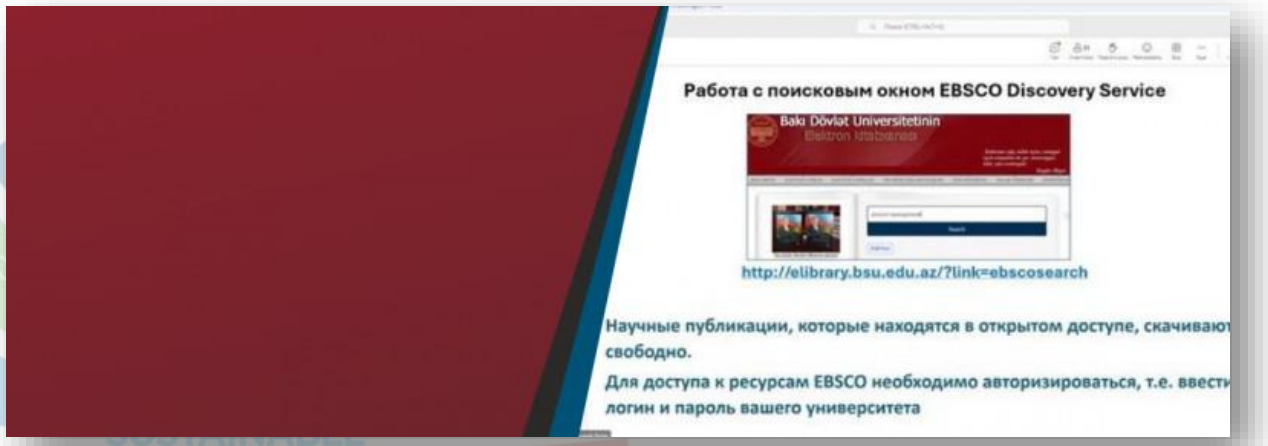


A webinar on the usage rules of the EBSCO Discovery Service system has been conducted at BSU

The Scientific Library of BSUorganized a webinar on the "Usage Rules of the EBSCO Discovery Service System," in cooperation with the Azerbaijan Library Information Consortium (Az.KIC) and moderated by EBSCOHost representatives. More than 40 participants from BSU and libraries of 12 higher education institutions attended.

The webinar covered global scientific resources available through the system, search techniques, and best practices for library use. Demonstrations showed how to access articles, bibliographic information, and full-text documents via BSU's electronic library and guest login mode. Participants also learned about login procedures using institution-specific accounts.

The event concluded with a Q&A session, and it was announced that participants would receive certificates.



A SCİENTİFİC CONFERENCE İS BEİNG HELD ORGANİZED BY BSU AS PART OF BAKU CLİMATE ACTİON WEEK

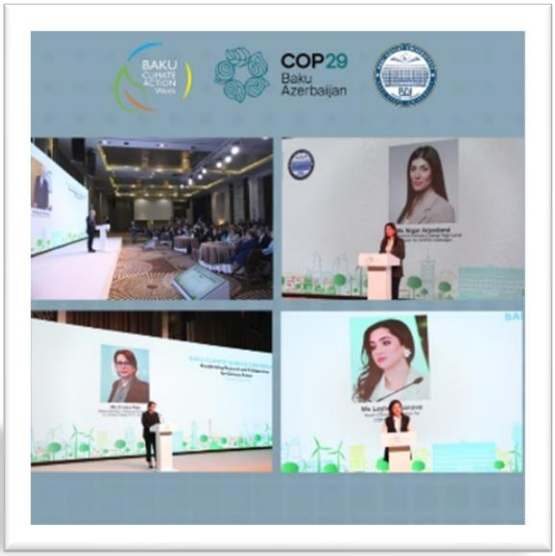
A scientific conference titled "Accelerating Research and Collaboration for Climate Action," organized by BSUas part of Baku Climate Action Week, focused on the scientific and practical aspects of climate change. The conference discussed the collection and use of empirical data, the role of artificial intelligence and advanced analytical tools in predicting and combating climate change. It also addressed the impact of climate change on transboundary water resource management, new approaches and international cooperation mechanisms, as well as the synergy of joint initiatives at global and regional levels. Innovative solutions such as carbon capture technologies, renewable energy sources, energy efficiency, and waste reduction were also key topics. The socio-economic impacts of climate change, including economic growth, poverty, migration, food security, and employment, were examined. The conference served as an important step in preparations for COP-29.



AN İNTERNATİONAL SCİENTİFİC CONFERENCE HAS BEEN HELD ORGANİZED BY BSU AS PART OF BAKU CLİMATE ACTİON WEEK

An international scientific conference titled "Accelerating Research and Collaboration for Climate Action," organized by BSU as part of Baku Climate Action Week, focused on the scientific and practical aspects of climate change. The conference discussed the role of empirical data, artificial intelligence, and advanced analytical tools in accelerating climate action, the impact of climate change on transboundary water resource management, international cooperation mechanisms, and the synergy of joint initiatives at the global level. The necessity of adopting national climate strategies and more agile climate policies was emphasized. The event also addressed the socio-economic impacts of climate change and measures to be taken at regional and global levels. This conference served as a significant platform for preparations ahead of COP29.









AN EVENT TİTLED: "SPACE AND CLİMATE CHANGE" HAS BEEN HELD AT BSU

An event titled "Space and Climate Change" was held at BSU as part of "World Space Week 2024." The event aimed to highlight the global significance of climate change and the role of space research in this field. During the event, participants were practically introduced to how space technologies are used for monitoring climate change and the importance of real-time data for climate science. In the main part of the seminar, students engaged in practical tasks related to climate science and space technologies, were presented with examples of climate change derived from space data, and participated in group discussions to understand the role of space in

combating climate change. Information was also shared about projects where scientific research is applied in practice.





SCİENTİFİC SEMİNAR ON "E-IRRİGATİON" AT BSU

A scientific seminar on “E-Irrigation” dedicated to the “Year of Solidarity for a Green World” was held at BSU The seminar discussed the possibilities of applying robotic technology and artificial intelligence for automatic irrigation, fertilization, and soil monitoring in agriculture. It was noted that the project aims to minimize human labor and increase productivity in agricultural fields. The system developed consists of central and field stations that measure soil moisture, salinity, and temperature using sensors and transmit this data to the central station. The central station analyzes the data with special software to determine the optimal irrigation time and amount, executing it automatically. Farmers can monitor all data and processes via a mobile application and intervene when necessary. This approach reduces human labor and enhances productivity.







Training on "Startups and Innovations" for BSU Students



A training session on "Startups and Innovations" was conducted by Aqshin Nabizade, the founder and executive director of "Nomail" LLC, at the initiative of the Student Youth Organization of BSU.

During the training, students were informed about new innovative ideas and ways to establish a business. Additionally, discussions included market and risk assessment, preparing project presentations for investors, meeting preparation, teamwork strategies, selecting mentors, and seeking investors for startup projects. The goal of the training was to support the enhancement of knowledge and skills among youth in the field of startups. At the end, students had their questions regarding the topic answered.

A TRAİNİNG SESSİON FOR PARTİCİPANTS OF THE INTERNATİONAL GREEN STEAM 2024 ON CLİMATE CHANGE

In October 2024, Dr. Lala Bayramova, an associate professor in the Department of Geographic Ecology at Baku State University, conducted a training session on "Climate Change and Resilience" as part of the International Green STEAM Azerbaijan Festival. This event was organized by the "STEAM Azerbaijan" project with the support of the Ministry of Science and Education and the COP29



Presidency. As a specialist from the COP29 Azerbaijan Operating Company, Dr. Bayramova provided information on climate change, global warming, green technology, forest ecosystems, and the impact of transportation sector emissions on the environment. She discussed the harmful effects of climate change on human life and answered questions from the participants. The festival aimed to promote STEAM-based education, develop 21st-century skills among learners, and uncover creative talents. Additionally, it was related to the hosting of the 29th session of the Conference of the Parties to the UN Framework Convention on Climate Change (COP29) in Azerbaijan and the declaration of 2024 as the "Year of Solidarity for a Green World" in our country.

BSU team has secured a spot in the final of the international competition with their "Supercapback" project



The BSU team "BSU Creativity Workz" has reached the final of the “E-Mobility Innovation and Startup Competition” at the EV Charge Show, which will be held in Istanbul from November 13-15, 2024. The event gathers leading electric vehicle companies and charging technology developers from around the world. This year, 220 teams submitted projects, and only 8 reached the final. BSU’s project “SuperCapBack” was developed at the Student Scientific and Technical Creativity Center and focuses on improving the performance and lifespan of Li-ion batteries in electric vehicles. By integrating a hybrid system with EDLC supercapacitors, AC-DC converters, and a cooling system, the project addresses efficiency losses and battery wear caused by regenerative braking and high current during acceleration.



Scientific seminar at BSU: "Green library concept"



A scientific seminar dedicated to Azerbaijan's "Green World Solidarity Year" was held at BSU, focusing on the emerging concept of the green library. The seminar highlighted the importance of the national decree declaring 2024 as the "Green World Solidarity Year" and emphasized Azerbaijan's role as host of the upcoming COP29 conference, showcasing the country's leadership in global climate initiatives.

During the event, the concept of a green library was presented as an innovative approach in library and information services. The seminar examined its purpose, architecture, and societal significance, referencing international research and guidelines from leading library associations. Discussions also highlighted the challenges of expanding, standardizing, and certifying green libraries, stressing the importance of energy efficiency, environmental protection, and human health in their infrastructure.

The seminar further explored the current resources and potential of Azerbaijani libraries to implement green initiatives and concluded with interactive discussions on advancing these practices in the local context.

The project "Green dialogue: Innovation and international cooperation platform" has started in collaboration with BSU



Within the framework of the COP29 international conference, the "Green Dialogue: Innovation and International Cooperation Platform" project was launched to address ecological problems and support sustainable development. The project was jointly organized by the State Support Agency for Non-Governmental Organizations of the Republic of Azerbaijan, BSU(BSU), the Public Union for the Progress of Karabakh, and the African Youth Development Foundation. As part of the project, a discussion panel was held on November 16 in the Green Zone of COP29. The panel was moderated by Shabnam Safarova, Advisor on Digitalization and IT to the Rector of BSU and Chairwoman of the Public Union for the Progress of Karabakh. Participants included Professor Tunji Asaolu, Vice President of the African School of Diplomacy and Head of the African Youth Development Foundation, Vonda Grobeller, Higher Education Quality Assurance Expert, Orkhan Shirinzade, CEO of E&O Global Inc. (USA), and Emil Qasimov, Researcher in Geology and Environmental Sciences at St. Petersburg Mining University. The panel addressed topics such as "The Importance of Sustainable Development," "Climate Education for Future Generations," "Assessment of Management Efficiency in Methane (CBM) Production and CO2 Capture," and "Green Logistics: Overcoming Investment and Implementation Barriers." The main goal of the project is to strengthen public awareness and international cooperation in addressing environmental challenges like water scarcity, soil salinization, and

deforestation. As part of the initiative, the “Green Dialogue Forum” was established to organize an annual forum bringing together representatives from government, the private sector, and academia.

BSU participated in the "EV CHARGE SHOW" – a global meeting platform for manufacturers of electric vehicle charging stations



BSU participated in the "EV Charge Show" – a global meeting platform for manufacturers of electric vehicle charging stations. The conference, held in Istanbul from November 13-15, aimed to develop battery and charging technologies used in electric vehicles, support innovative digital solutions, and promote projects based on clean energy usage. The conference featured various charging stations, battery technologies, and projects based on IoT-based solutions for charging systems, presented by 151 companies.

BSU’s Student Scientific and Technical Creativity Center provided information about the “SuperCapBack Hybrid Battery” and “Clean-Charge Fast Charging Station” projects, engaging in discussions with charging station manufacturers participating in the exhibition.

It is also noteworthy that BSU's "BSU Creativity Workz" team reached the finals of the "E-Mobility Innovation and Startup Competition" within the "EV Charge Show"

– Global Meeting Platform for Electric Vehicle Charging Station Manufacturers, securing a spot among the top 8 teams out of 220

BSU İS RANKED FİRST İN AZERBAİJAN ACCORDİNG TO THE "QS SUSTAİNABİLİTY RANKİNG 2025" RESULTS!

On November 18, 2024, within the framework of COP29, QS Quacquarelli Symonds announced the “QS World University Sustainability Rankings 2025.” BSU achieved remarkable success, placing in the 941–950 range—marking it as the only Azerbaijani university in the global Top-1000 for sustainability and advancing over 350 positions compared to the previous year.





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9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

BSU has been represented in the Blue Zone of COP29 with the "CLEAN-CHARGE" project, which is the winner of the 5th Grant Competition of the SME Development Agency

Ilyas Nasibov, Director of the Student Scientific and Technical Creativity Center at Baku State University, presented the "Clean-Charge – 22 kWh AC Fast Charging Station" project, winner of the 5th Grant Competition organized by the Small and Medium Business Development Agency, at the "Business, Investment, and Philanthropy Climate Platform" held in the Blue Zone of COP29. The project aims to provide fast charging of electric vehicles using clean energy, even where there is no electrical grid. The 22 kWh station, powered by solar and wind energy, will be installed in December at BSU's car park and will support charging standards from China, Europe, and the USA. Charging will be free for BSU faculty and students



An "Ecological Cartography" textbook for universities has been published at BSU

Within the framework of the "Year of Solidarity for the Green World," the Department of Geodesy and Cartography at the Faculty of Geography, Baku State University, has published a university textbook titled "Ecological Cartography." Co-authored by Associate Professor Afghan Talibov, head of the department, and lecturer Irina Verpatova, the textbook aims to improve the quality of teaching in the course both at BSU and other universities, providing students with a program-based resource in their language of instruction. Comprising five chapters and thirty topics, the book covers the essence of ecological cartography, methods for studying ecological conditions, the mathematical and geographical basis of ecological maps, and the use of aerocosmic materials. It includes images, tables, questions, practical tasks, and a glossary of over 300 terms. The scientific editor is Professor Maqsad Qocamanov, Dean of the Faculty of Geography, with Associate Professors Ramiz Ahlimanov and Shamil Azizov serving as reviewers. Notably, this is the first textbook on ecological cartography published in Azerbaijani with such comprehensive content.



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 BSUand the "EcoSphere" Social-Ecological Center. The moderator, Shabnam Safarova, advisor to the BSU rector on digitalization and IT, emphasized that the SDGs, defined by the UN in 2015, are a global call to address challenges such as poverty, inequality, climate change, and quality education, with universities playing a vital role through education, research, and collaboration. Speakers including BSU's advisor on quality assurance Asiman Ilyasov, Fariz Quliyev from the State Agency for Science and Higher Education, Latifa Nasibova from the French-Azerbaijani University, and Qanira Mammadzada from the Azerbaijan University of Architecture and Construction highlighted that higher education institutions serve as



innovation hubs advancing SDGs by offering courses on sustainable development and fostering international cooperation through exchange programs and joint research. These partnerships help equip students and faculty with knowledge and skills to address real-world problems and prepare future leaders for a sustainable and just world. BSU Rector Elchin Babayev discussed the impact of SDGs on university activities and congratulated universities on their achievements in international rankings, attributing these successes to their alignment with sustainable development goals in recent years.



The "Irrigo – sustainable rural agriculture ecosystem," developed at BSU`s Student Scientific and Technical Creativity Center, was presented at COP29

BSU`s "BSU Creativity Workz" team successfully participated in the "Green Tech Karabakh" project during the COP29 conference by presenting the innovative agro-technical solution, the "Irrigo" smart irrigation system. Irrigo is a next-generation agricultural model designed to minimize freshwater usage in irrigation, purify water unsuitable for irrigation from organic pollutants, salts, and heavy metals, and create an ecosystem that ensures the circulation of this water within the system. The project not only conserves water resources but also optimizes material and time efficiency. Featuring modern capabilities like remote control and

synchronization with weather forecasts, the system offers invaluable benefits for agriculture. During the presentation, international participants closely examined Irrigo's efficiency, its potential to reduce costs, and its positive impact on ecosystem preservation, showing great interest in the innovative solutions offered.





A Republican Scientific Conference on the topic "Modern Problems of Ecological Chemistry and Environmental Protection" is being held at BSU



BSU held a Republican Scientific Conference on "Modern Problems of Ecological Chemistry and Environmental Protection" to mark the university's 105th anniversary and the 20th anniversary of its Department of Ecological Chemistry.

The conference highlighted Azerbaijan's commitment to environmental protection, green growth, and the transition to a sustainable economy, emphasizing the 2024 "Year of Solidarity for a Green World" and the hosting of COP29. BSU's research in ecological chemistry, green energy, and sustainable technologies was presented, alongside student projects and the university's new "Eko Mekan" initiative, aimed at teaching innovative methods in green energy and ecological awareness.

The Department of Ecological Chemistry was recognized for its two decades of contributions to education, research, and international collaboration, including regional environmental studies, development of sustainable technologies, and chemical ecology research. The conference continues with multiple scientific sessions, reinforcing BSU's role in environmental research and sustainable development.

BSU HAS BEEN SELECTED AS A FULL MEMBER OF THE GLOBAL UNİVERSİTY NETWORK FOR INNOVATİON

BSU has become a full member of the Global University Network for Innovation (GUNI), an international network of 364 universities, UNESCO chairs, and research centers from 100 countries. Established in 1999 to support higher education policies, GUNI membership offers BSU expanded opportunities to implement innovative developments.



CERTIFICATE OF MEMBERSHIP

The Global University Network for Innovation (GUNi) CERTIFIES that the

Baku State University

is member of GUNi, since its application was approved on Desember 10, 2024

And I hereby deliver the same:

Josep Maria Vilalta
Director
GUNi Secretariat

Training at BSUScientific Library: "Scientific Research: From Topic Formation to Publication"



BSU Scientific Library hosted a training titled *"Scientific Research: From Topic Formation to Publication"* under the DIRNA project, coordinated by Khazar University and funded by the European Commission. More than 20 library staff participated. Nigar Ismailova, Director of the BSU Scientific Library, presented on planning scientific research, covering topic selection, assessing relevance, applying appropriate methods,

analyzing existing resources, and literature search. She emphasized the role of libraries in supporting researchers and highlighted innovations in library services.Jamila Yusifova, Head of Methodological Work and Cooperation at the Scientific Library and national EIFL.net coordinator, spoke on searching international scientific platforms and journal selection. She discussed access to copyrighted resources, publishing in open-access journals, submitting indexed articles to repositories, and the importance of Open Access and Open Science for international collaboration.

The training concluded with an introduction to the new EBSCOhost interface, usage of electronic resources from Taylor & Francis, and a Q&A session.

An International Conference on "Advanced Materials for Solving Biomedical and Ecological Problems" is being held under the organization of BSU and ICESCO

BSU hosted an international conference on "Advanced Materials for Solving Biomedical and Ecological Problems" alongside the opening of the "I BSU School on Green and Sustainable Science and Education," marking BSU's 105th anniversary and the "Year of Solidarity for a Green World," in partnership with ICESCO. Rector Elchin Babayev highlighted BSU's role in scientific research, international collaboration, and the integration of biomedical materials research with ecological and health solutions. Speakers from Azerbaijan, Turkey, Kazakhstan, and Bulgaria emphasized the importance of global



cooperation, student involvement, and addressing climate, ecological, and biomedical challenges. Plenary sessions featured presentations on drug resistance in cancer and the ICESCO Biomedical Materials Department's research, with further discussions continuing in smaller groups.

Opening Ceremony of the "I BSU School on Green and Sustainable Science and Education"

An opening ceremony for the "I BSU School on Green and Sustainable Science and Education" was held at BSU jointly organized with the Islamic World Educational, Scientific and Cultural Organization (ICESCO) and the "Erasmus+ Jean Monnet Module" project. The event was dedicated to BSU's 105th anniversary and the "Year of Solidarity for a Green World." The school aims to explore the potential of green skills and innovative technologies in achieving the Sustainable Development Goals. Organized by leading scientists and education experts from BSU and international organizations, it provides an inclusive platform for knowledge exchange and collaboration, focusing on key topics such as nanotechnology, sustainable agriculture, drug design, and ecological safety.



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



In addition, bsu hosted a **youth-to-business forum**, bringing together students and business leaders to explore innovative approaches to the sustainable development goals. The forum encouraged the exchange of ideas between the youth and private sector, providing networking opportunities and promoting entrepreneurial thinking aligned with social impact and sustainability. This initiative reflects bsu's strong commitment to youth empowerment and fostering future changemakers.

Together, these events and programs illustrate bsu's integrated approach to education, sustainability, and civic engagement—advancing not only academic excellence but also meaningful societal transformation.

CONCLUSION

1. SDG 9 Objective

- The main goal is to build resilient infrastructure, promote inclusive and sustainable industrialization, and foster innovation.
- BSUcontributes to this through research, teaching, and partnerships with industry.

2. Infrastructure Development

- Green Campus Initiative → Energy efficiency, use of renewable energy (e.g., solar panels).
- Smart Classrooms and Laboratories → Digital teaching tools, VR, smartboards.
- Accessibility → Creating an inclusive campus environment for people with disabilities.

3. Collaboration with Industry

- Joint research projects with industry partners.
- Internship and practical training programs for students.
- Development of innovative solutions in specific areas such as energy, ecology, and IT.

4. Innovation and Research

- Support for startup and innovation centers.
- Research in artificial intelligence, biotechnology, and energy efficiency.
- Participation in international projects.

5. Social Impact and Community Projects

- Social innovations and awareness-raising activities in the regions.
- Promoting an entrepreneurial and innovation culture among students.

6. Future Plans

- Full digitalization of the campus.
- Increasing the use of renewable energy.
- Joining more international innovation networks.

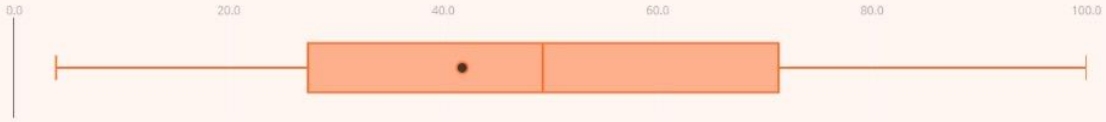
http://sdg.bsu.edu.az/

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

RANKING RESULTS

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

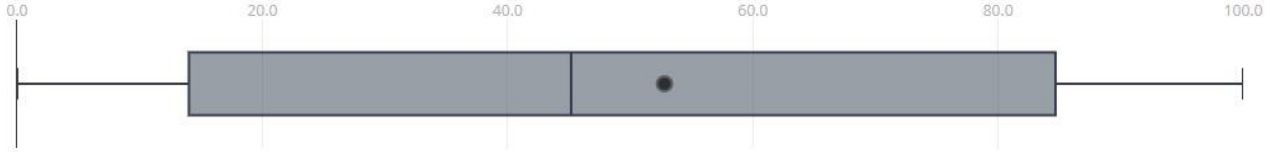
15.4% OF THIS SDG



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



http://sdg.bsu.edu.az/

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

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
QS Quacquarelli Symonds

UI GreenMetric World University Rankings

3. WORLD RANKINGS HISTORY

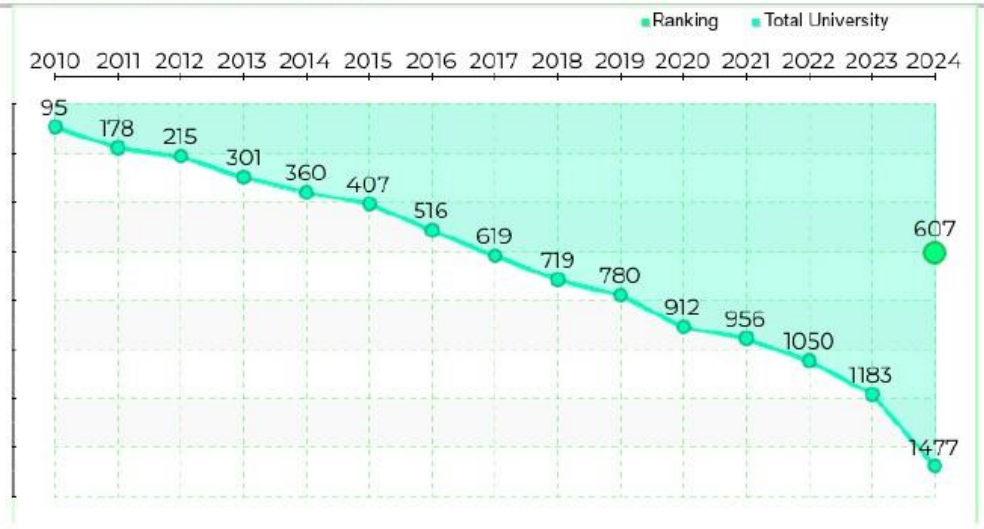


Figure 3.1 World Rankings History Diagram

4. RANKING IN AZERBAIJAN



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9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

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
41.19%

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%

http://sdg.bsu.edu.az/

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

MEMBERSHİPS:

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

ISCN
International Sustainable Campus Network

CANİE
climate action network

GUNI
GLOBAL UNIVERSITY NETWORK FOR INNOVATION

SUSTAINABLE DEVELOPMENT GOALS

http://sdg.bsu.edu.az/

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

Research

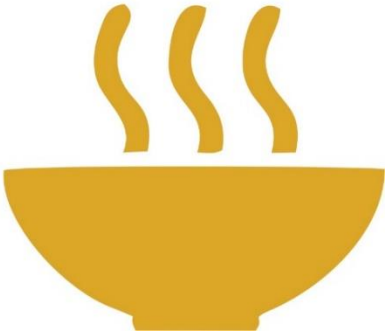
SDG contributions

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

2024 REPORT ON

2 ZERO HUNGER



INTRODUCTION

Baku State University (BSU) is taking active steps to promote hunger prevention and sustainability within its campus dining facilities. Although earlier agreements with external food service providers did not include food waste monitoring, the university now plans to integrate waste measurement and management requirements into upcoming contracts. In collaboration with the Unions of Students, BSU also supports financially vulnerable students by offering meal vouchers.



Sustainability efforts in BSU's canteens include offering eco-friendly menu options, such as vegetarian and vegan meals, while ensuring high food safety standards through regular inspections by the Food Safety Agency of the Republic of Azerbaijan and ongoing staff training. The university's broader agricultural sustainability strategy combines academic expertise and student engagement: faculty and researchers develop innovative farming methods, and students apply them through laboratory activities and practical training. Additionally, BSU arranges visits to food industry enterprises, enabling direct knowledge exchange between students and professionals in the field.



BSU acknowledges the importance of upgrading its laboratory and technological capacities to advance sustainable agricultural practices, in line with the goals of its Sustainable Procurement Policy. This policy focuses on reducing carbon emissions, ensuring fair competition, evaluating cost-effectiveness, and prioritizing local suppliers in purchasing processes. Through these comprehensive initiatives, BSU demonstrates its strong dedication to addressing hunger and fostering sustainability in both agriculture and food production.



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.

Student admissions open for 6 specializations at BSU's Faculty of Biology

Baku State University's Faculty of Biology is a leading center for biological sciences in Azerbaijan, comprising 6 departments, 13 modern teaching laboratories, and specialized research facilities in biomolecular engineering, microbiology, and virology. From their second year, students actively participate in scientific research across various fields, including botany, molecular biology, genetics, zoology, and plant protection. The faculty offers six undergraduate specializations—Biology, Biology Education, Aquatic Bioresources and Aquaculture, Biotechnology, Plant Protection, and Food Engineering—preparing graduates for careers in research institutes, industry laboratories, educational institutions, environmental agencies, and food safety organizations. Instruction is available in Azerbaijani, Russian, and English.

New specialization in food product expertise and marketing at BSU



Beginning in the 2024/2025 academic year, the Department of Analytical Chemistry at Baku State University's Faculty of Chemistry will launch a new master's program in "Food Product Expertise and Marketing," designed to prepare skilled specialists in food engineering.

The curriculum features subjects such as "Quality and Safety of Food Products," "Expertise of Biological Raw Materials and Food Products," and "Contemporary Issues in Food Product Analysis." Students will develop in-depth expertise in assessing food products through physical, physico-chemical, microbiological, and chemical analysis methods, alongside organoleptic testing techniques. They will also study both national and international food safety standards and regulatory frameworks.



Additionally, the program addresses sources of microbial contamination, sanitary and epidemiological control in food production, and the legal aspects of ensuring environmental safety.

Student admission announcement for BSU's Faculty of Ecology and Soil Science



Baku State University's Faculty of Ecology and Soil Science offers programs in Ecology, Ecological Engineering, Soil Science and Agrochemistry, and Land Management and Real Estate Cadastre, preparing specialists for careers in state institutions, private companies, and research centers related to environmental protection, agriculture, land management, and engineering. The faculty consists of five departments and a specialized research laboratory within the university's Research, Development, and Innovation Excellence Center, providing students and postgraduates with practical research opportunities. Instruction is available in Azerbaijani, Russian, and English.





Cooperation opportunities between the Ministry of Agriculture and BSU discussed



Minister of Agriculture Mecnun Memmedov and Rector of Baku State University Elchin Babayev met to discuss potential cooperation in the field of agriculture. The Minister shared information on the country's agrarian development strategy, state support, innovative projects, and the application of advanced technologies, emphasizing that intensive growth depends on professional personnel. The Rector highlighted BSU's material and technical base, specialist training for the labor market, research activities, and the preparation of competitive, innovative, and highly qualified professionals. Both sides expressed confidence that cooperation in strengthening human resources, scientific research, and production ties would contribute to the development of the agrarian sector.







Round table on "who is the ensurer of ecological and socio-economic sustainability at COP29" at BSU



Baku State University, in collaboration with the Educational Institute (ARTI) and supported by BSU's Student Youth Organization, held a round table discussion on "Who is the Ensurer of Ecological and Socio-Economic Sustainability at COP29." The event emphasized the importance of raising awareness about climate change and COP29, highlighting measures taken in Azerbaijan to protect the environment and mitigate climate impacts. Presentations covered topics such as the role of green economy in agriculture, efficient use of natural resources, the history and effects of climate change, economic sustainability, social justice and digital governance technologies, as well as the significance of COP29 for Azerbaijan within the "Year of Solidarity for a Green World."

Rankings Results





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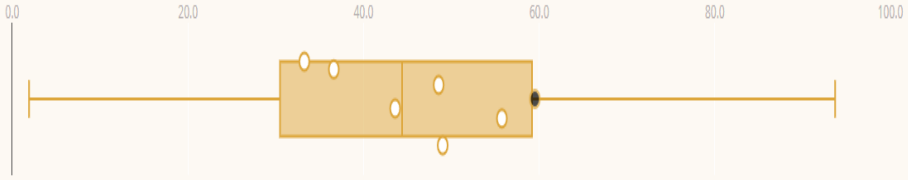
2 ZERO HUNGER

THE IMPACT RANKINGS

2 ZERO HUNGER

SCORE 59.5

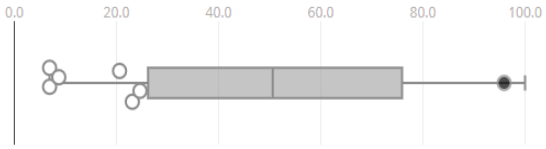
RANK 201–300 out of 955 institutions



SCORE 95.9

Zero hunger: FWCI

10% OF THIS SDG



SCORE 65.0

Research on hunger

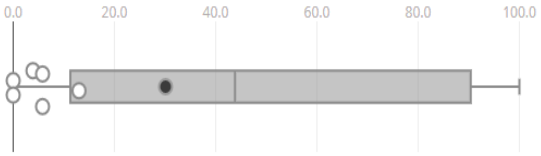
27% OF THIS SDG



SCORE 30.1

Zero hunger: publications

7% OF THIS SDG



http://sdg.bsu.edu.az/

2 ZERO HUNGER

MEMBERSHIPS:

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

ISCN
International Sustainable Campus Network

CANiE
climate action network

GUNI
GLOBAL UNIVERSITY NETWORK FOR INNOVATION

Research

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
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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		

CONCLUSION

The key findings from the information provided about Baku State University's efforts related to hunger prevention and sustainability in its university canteens are as follows:

Lack of Food Waste Provisions

The initial agreements with external contractors did not include provisions for monitoring or accounting for food waste, which has been a longstanding issue. However, there is an intention to address this by incorporating clauses for food waste measurement and management in the upcoming contract renewal.

Hunger Prevention Program

BSU, in collaboration with the Union of Independent Students of BSU, has implemented a program to support poor students by providing them with vouchers for meals in the university canteen.

Sustainable Food Options

The university's dining services offer sustainable food options, including vegetarian and vegan choices. This demonstrates a commitment to providing environmentally friendly food options.

Food Safety and Training

The university's canteens prioritize food safety and regularly undergo inspections by the Food Safety Agency of the Republic of Azerbaijan. Additionally, employees receive ongoing training to maintain high food safety standards.

Commitment to Sustainability in Agriculture

BSU is actively engaged in advancing sustainability in agriculture and organic food production. This commitment is reflected in the research conducted by faculty members and researchers, as well as in practical education that encourages students to apply innovative techniques and sustainable agricultural practices.

Industry Collaboration

The university collaborates with food industry companies, providing students with opportunities to gain real-world experience and knowledge exchange. Graduates working in the food industry also serve as valuable sources of information and knowledge transfer.

Limited Resources for Sustainable Farming

While BSU is committed to sustainability, its laboratories and technological resources for sustainable farming practices are somewhat limited. Addressing this limitation is a priority and aligns with the university's Sustainable Procurement Policy.

Sustainable Procurement Policy

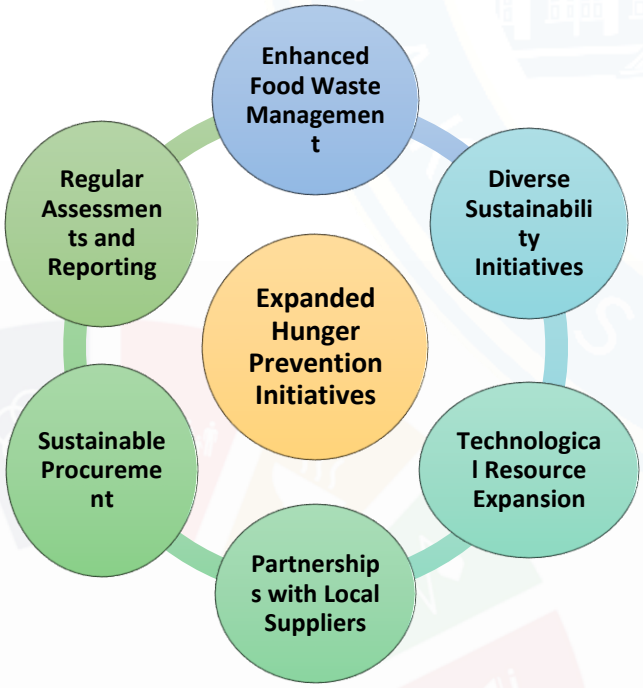
The university's procurement decisions are guided by a Sustainable Procurement Policy that emphasizes reducing carbon emissions, promoting fair competition, assessing cost-efficiency, and prioritizing local suppliers.

In summary, Baku State University is actively working to address issues of hunger prevention and sustainability in its canteens. The findings highlight a multi-faceted approach that includes food waste management, support for underprivileged students, sustainable food options, food safety, research and practical education in agriculture, industry collaboration, and a sustainable procurement policy. These efforts demonstrate the university's commitment to promoting sustainability in agriculture and food services.



FUTURE GOALS

To further advance its efforts in hunger prevention and sustainability in its university canteens and beyond, Baku State University (BSU) can consider the following future steps:



Baku State University

2024 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 United Nations 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.



GOOD HEALTH AND WELL-BEING (SDG 3)



BSU is dedicated to implementing a variety of outreach programs and initiatives within the local community to enhance and promote health and well-being. For example, through its Law Clinic, highly qualified master's students from the Faculty of Law provide free legal assistance to underprivileged and vulnerable groups, including the elderly, refugees, individuals with disabilities, and students. Guided by experienced faculty and practicing lawyers, these students support community members in defending their rights in state and other institutions and assist in preparing legal documents.

The “BSU Volunteers” organization brings together around 1,000 student volunteers who actively participate in numerous events and activities, playing a key role in fostering social and civic engagement both within the university and in the wider community. In its commitment to student well-being, BSU also offers access to sexual and reproductive health services, as well as psychological counseling for issues, including those related to sexual health, through its Psychological Counselling Service.



Students and staff have access to free healthcare services at the University Policlinic, which include physical, gynecological, and reproductive care, along with various other medical services. The clinic also provides educational and awareness programs at no cost.



A memorandum of understanding was signed with the social services agency



BSU actively collaborates with local, regional, and national government bodies, including through a memorandum of cooperation with the social services agency under the ministry of labor and social protection. BSU conducts policy-oriented research, operates a successful psychological service sector, and provides specialist training in social sciences and psychology. The partnership aims to enhance practical training, support vulnerable groups, and recruit young specialists, with 124 BSU graduates currently employed at the agency. Over the next three years, the agreement will facilitate internships, research opportunities, and joint social projects for BSU students and staff.

Meeting on awareness events on the field of social work



As part of the "education in the field of social work" project, the department of social work at BSU met with Representatives of the state Social Protection Fund (DMSF) to discuss collaboration. The meeting aimed to inform students about DMSF's activities, national social reforms, and innovations, as well as to align these with social work education. Associate professor Uzeyir Shafiyev emphasized the importance of this partnership in enhancing the quality of social work training and proposed holding practical master classes by DMSF staff, with various cooperation opportunities explored.





Healthy lifestyle training was held at BSU



The student youth organization of BSU, in collaboration with the center for public health and reforms, held a “Healthy Lifestyle” training. Zumrud Kazimova from the center highlighted the importance of protecting young people from harmful habits such as smoking, alcohol, and drug use, noting their negative impact on health and development. She emphasized that fostering regular physical activity is key to preventing these habits. Students were also introduced to a daily healthy routine, and the session concluded with a Q&A.





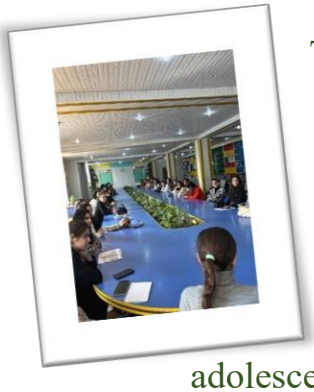
Scientific seminar on mitochondrial genetic diseases at the Biology Faculty



The Student Scientific Union of the Faculty of Biology at BSU held a seminar dedicated to the "Year of Solidarity for the Green World" titled “Molecular Organization of Complex I in the Mitochondrial Electron-Transport Chain and Related Genetic Mechanisms,” presented by graduate students Maltam Gasimova and Dinara Javadzadeh as part of their research

defense. The presentation discussed mitochondria's role in producing adenosine triphosphate (ATP), the genetic information generated through electron transfer, and the methods used in the research, followed by a Q&A session.

Psychological assistance Unit organized a training on bullying



The Psychological Assistance Unit of BSU organized training on "Bullying" to promote a healthy psychological environment in educational institutions and raise awareness about protection from violence. The session highlighted bullying as a common issue among adolescents, explained its four forms—cyber, physical, sexual, and social—and examined its psychological and sociological causes. The importance of family and school cooperation in addressing the problem was emphasized, and an educational video on prevention was shown.



BSU is currently conducting scientific research to develop new isolates that can combat antibiotic resistance

A scientific paper titled *"CRISPR-like sequences association with antibiotic resistance and biofilm formation in Helicobacter pylori clinical isolates"* by Professor Khudaverdi Ganbarov, Head of the Laboratory of Microbiology and Virology at Baku State University, was published in *Heliyon* (Impact Factor: 3.776).

Head of the Department at the Agency of Social Services conducted Workshop at BSU



Tunzala Verdiyeva, Head of Department at the Agency of Social Services, conducted a workshop for Baku State University (BSU) Social Work students, focusing on the essence of social services, case management processes, and the mission of social workers. The event was also attended by Rector's Advisor on Quality Assurance Asiman Ilyasov, Head of the Department of Monitoring, Analysis, and Accreditation Parvana Movsumova, Head of the Department of Social Work Uzeir Shafiyev, and faculty members.

"Say: "No to drugs!" at BSU



BSU, in collaboration with the Azerbaijan Independence Museum, held an event titled *"Say NO to Drugs"* within the framework of the 2019–2024 State Program on Combating Drug Addiction and Illegal Trafficking. The event aimed to raise awareness among youth about the dangers of drug use and promote a healthy lifestyle. Speakers, including BSU faculty members, museum representatives, and psychologists, discussed the links between drug addiction, crime, and violence, highlighted national and global challenges, and emphasized the importance of collective efforts and educational initiatives in





preventing addiction. Students also participated in projective methodology sessions led by a sychologist.



Training on the risks of early marriage for BSU students



A training on *"Complications of Early Marriage"* was conducted by Zumrud Alizadeh, lecturer at the UNESCO Department of Human Rights and Information Law, and jointly organized by BSU Volunteers and the *De Novo* club. The session discussed the definition, causes, legal framework, and consequences of early marriage, referencing Article 10 of the Family Code. Emphasis was placed on the lack of physiological and psychological readiness of young individuals, which can lead to domestic violence, maternal and infant mortality, and long-term health issues. The discussion also highlighted the societal risks of child marriages, particularly for young girls, and explored social and legal solutions, with students actively engaging through questions and dialogue.



A group of students of the biology faculty of BSU had an environmental action in Absheron National Park

Students of the Faculty of Biology at Baku State University (BSU) organized an environmental action titled *"We are ahead"* in Absheron National Park as part of the *"Year of Solidarity for the Green World."* Supported by the park administration and the faculty, the campaign included a bicycle ride to promote healthy living and reduce carbon emissions, along with visits to endangered plant species such as *Calligonum bakuense* and *Astragalus bakuensis.* The initiative highlighted the role of ecological tourism in fostering environmental awareness among students and will continue in other national parks throughout the year.



National ophthalmology center automobile mobile clinic conducts medical campaign

The Zarifa Aliyeva National Ophthalmology Center is conducting a two-day medical campaign at Baku State University (BSU) through its Automobile Mobile Clinic, offering free eye care services to students and faculty on May 17. The initiative focuses on early detection and treatment of visual disorders, with examinations carried out by both local and foreign specialists. Since 2005, the center has organized mobile campaigns nationwide, providing timely diagnosis, treatment, and even surgical interventions, while since 2018, its Mobile Train has further expanded access to ophthalmological care across the country.











BSU students received education on the adverse effects of drug addiction



The Student Youth Organization of BSU's Faculty of Biology held an event titled *"Let's Say No to Drug Addiction!"* to raise awareness among students about the dangers of substance abuse. Deputy Dean for Social Issues and Student Affairs, Yusif Abiyev, spoke on the harmful effects of drugs on the human body, their negative impact on the gene pool, and the broader social and economic problems linked to addiction. He emphasized that drug use erodes moral values, endangers health and life, fuels criminal activity, and hinders development. Abiyev underlined the responsibility of scientific and educational institutions in addressing this issue while promoting healthy lifestyles among youth. First-year students Natavan Akbarova and Ismayil Mutallimli followed with a presentation on narcotic plants, describing their properties and effects.

The event concluded with the screening of an educational film, reinforcing the message about the serious consequences of drug addiction.





BSU discusses the impact of global warming on natural water resources

At the Faculty of Biology of BSU, Professor Farayat Ahmadova from the Department of Molecular Biology and Biotechnologies delivered a seminar on "The Effect of Global Warming on Natural Water Resources." She emphasized that climate change-induced droughts are worsening water scarcity in the country due to rising demand, the drying of small rivers, water wastage, and inefficient use. Professor Ahmadova also highlighted the harmful effects of untreated wastewater from industries and hospitals, as well as the therapeutic and alternative energy potential of Azerbaijan's thermal waters. In conclusion, she stressed the importance of proper water resource management, raising awareness about wastewater's negative impact on human health, and organizing educational initiatives.





BSU Volunteers Join Go Camp Picnic Project









Members of the "BSU Volunteers" organization from Baku State University took part in the "Go Camp" picnic project in Khizi, organized by the Union of Azerbaijan Voluntary Organizations with the support of the Ministry of Ecology and Natural Resources and the Youth Fund. The project aimed to strengthen unity and networking among volunteers, featuring a hiking trip and interactive games in the Altiaghach National Park area.

A new specialization will be opened at BDU: Methods and Methodology of Corrective Education

Faculty of Social Sciences and Psychology will launch a new master's program, *"Methods and Methodology of Corrective Education,"* in the 2024/2025 academic year. The program is designed for graduates of remedial education and related pedagogical fields, focusing on pedagogical and psychological approaches to diagnosing, treating, and rehabilitating individuals with disabilities. Students will study methods of corrective work with children and individuals facing learning difficulties, autism, motor impairments, severe physical and mental disabilities, hearing and speech disorders, visual impairments, and developmental delays.



Members of Baku State University's (BSU) Student Trade Union Committee (STUC) at the summer school on the topic "Healthy person and sustainable future"



From September 6–8, the leadership and members of the Student Trade Union Committee (STUC) of Baku State University (BSU) took part in a summer school titled *"Healthy Person and Sustainable Future"* at the "Education" Recreation Center in Nabran, Khachmaz. Organized by the Republic Committee of the Azerbaijan Education Workers' Free Trade Union, the event brought together 120 students from various higher education institutions, STUC chairs, and media representatives. The program

included a conference on the main theme, fostering dialogue between committee leaders and students, as well as sports competitions and intellectual games to promote active engagement and effective leisure time.









Parliament Model Simulation on the Topic of Sustainable Development Goals at BSU

The "BDU Volunteers" organization at BSU organized a Parliament Model Simulation on the theme of *Sustainable Development Goals*. Students discussed political issues, explored strategies for achieving the goals, and highlighted those most relevant to current realities in the country, including collective efforts to eliminate landmine threats. The simulation concluded with the adoption of a legislative proposal on the Sustainable Development Goals, followed by a performance from the "Lin-orph" music club. Serving as a non-formal educational tool, the event aimed to deepen students' understanding of parliamentary processes while enhancing their analytical and debating skills.

"A Step Against HIV" Event Held at Baku State University



The Faculty of Biology at Baku State University, in cooperation with the Republic HIV Prevention Center of the Ministry of Health, organized an event titled *"A Step Against HIV."* Infectious disease specialist Emiliya Shahbazova informed students about HIV/AIDS transmission, prevention, and treatment methods, stressing the role of education in protecting youth from harmful habits, promoting healthy lifestyles, and fostering national and spiritual values. Following the session, brochures and booklets were distributed, and free HIV screenings were offered by the center's staff.

Game Dedicated to the "Year of Solidarity for a Green World" Held At Baku State University



The Faculty of Chemistry together with the Student Trade Union Committee, organized an intellectual game *"What? Where? When?"* dedicated to the *"Year of Solidarity for a Green World."* The event began with the national anthem and a moment of silence in memory of National Leader Heydar Aliyev and the martyrs of Azerbaijan. Deputy Dean Taleh Qahramanov highlighted that hosting COP29 in Azerbaijan supports environmental protection and climate change prevention globally, while such competitions help foster ecological culture and awareness among students. Eleven teams participated in three rounds, with the *"Julius Caesar"* team winning the competition.

An event titled "Lets Say No to Harmful Habits!" was held through the joint collaboration of the "BSU Volunteers" organization, the "SDG" club, and the "Psychosupport SDG" club

The *"SDG"* and *"Psychosupport SDG"* clubs of the *"BDU Volunteers"* organization jointly held a discussion-based event titled *"Let's Say No to Harmful Habits!"* The meeting explored the psychological, physiological, and social aspects of harmful habits and addictions, as well as their impact on people's lives. Special attention was given to the issue of internet addiction. Students actively engaged in the discussion, sharing their views and proposing possible solutions for overcoming addictions.

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



As part of COP29, BSU and the *"EcoSphere" Social-Ecological Center* organized an event in the Green Zone titled *"Sustainable Development Goals (SDGs) and Universities: International Cooperation Experience."* Moderated by Shabnam Safarova, advisor to the BSU rector, the event emphasized the vital role of universities in advancing SDGs through education, research, and collaboration. Speakers from various institutions highlighted that universities act as innovation and knowledge hubs, equipping students with skills to tackle global challenges and stressing the importance of cross-border cooperation, exchange programs, and joint research in achieving the SDGs. BSU Rector Elchin Babayev also underlined the positive

impact of SDGs on university activities, linking recent international ranking successes to efforts aligned with sustainable development.





The "Irrigo – sustainable rural agriculture ecosystem," developed at BSUs Student Scientific and Technical Creativity Center, was presented at COP29

BSU *"BSU Creativity Workz"* team took part in the *"Green Tech Karabakh"* project within COP29, presenting their innovative agro-technical solution — the *"Irrigo"* smart irrigation system.



Designed as a new-generation agricultural model, *Irrigo* aims to reduce fresh water consumption in irrigation by purifying unsuitable water from organic pollutants, salts, and heavy metals, and reusing it within a closed ecosystem. This approach not only conserves water resources but also optimizes material and time efficiency. Equipped with advanced features such as remote control and weather

forecast synchronization, the system offers a highly practical solution for modern agriculture. International representatives at the event explored the system's efficiency, cost-saving potential, and environmental benefits, expressing strong interest in its innovative contributions to sustainable farming and ecosystem protection.

The Psychological Support Sector of BSU has conducted a training titled "Healthy Communication in Family Relationships

BSU Psychological Support Sector organized a training on *"Healthy Communication in Family Relationships"* for students from all faculties. Led by the sector's psychologist, İlkanə Mənsumova, the session covered the role of the family in societal development, the structure of healthy communication, and the significance of the family institution in Azerbaijan. Students actively engaged in the discussion, had their questions answered, and explored solutions to common challenges in family relationships.



Training for Baku State University Students: "Practical Experience and Ethical Approach in Psychology"



BSU Career and Alumni Affairs Center held a training on *"Practical Experience and Ethical Approach in Psychology"* for students of the Faculty of Social Sciences and Psychology, conducted by psychologist Afag Mammadova. The session covered key components of practical experience—knowledge, training, diagnostic skills, as well as personal therapy and supervision—while addressing challenges new psychologists face, such as anxiety, stress, and ethical dilemmas. Ethical principles like confidentiality, competence, integrity, and respect were also emphasized. The event concluded with a Q&A session.

An International Conference on "Advanced Materials for Solving Biomedical and Ecological Problems" is being held under the organization of BSU and ICESCO



BSU together with ICESCO, hosted the international conference *"Advanced Materials for Solving Biomedical and Ecological Problems"* and launched the *"I BSU School on Green and Sustainable Science and Education,"* dedicated to BSU's 105th anniversary and the "Year of Solidarity for a Green World." The event emphasized BSU's scientific leadership, international cooperation, and the role of universities in tackling global challenges, with sessions on biomedical research, sustainable development, and collaboration among young researchers.

Opening Ceremony of the "I BSU School on Green and Sustainable Science and Education"

BSU in partnership with the Islamic World Educational, Scientific and Cultural Organization (ICESCO) and the *Erasmus+ Jean Monnet Module* project, held the opening ceremony of the *"I BSU School on Green and Sustainable Science and Education,"* dedicated to BSU's 105th anniversary and the "Year of Solidarity for a Green World." The school focuses on advancing green skills and innovative technologies to support the Sustainable Development Goals, offering a collaborative platform led by BSU and international experts. Key themes include nanotechnology, sustainable agriculture, drug design, and ecological safety.



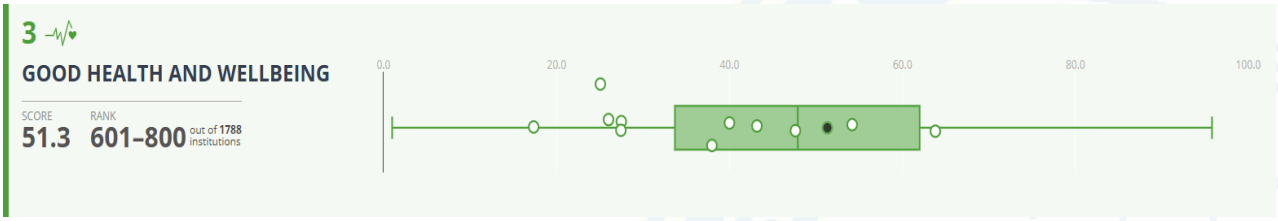
Conclusion

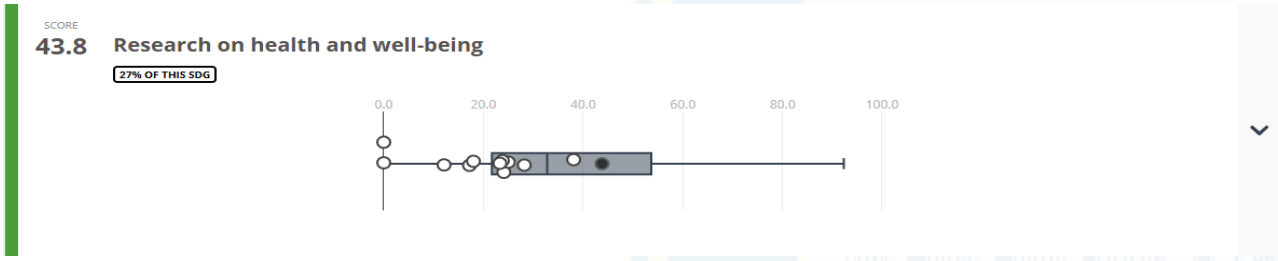
Diverse Partnerships	BSU has established a wide range of partnerships at local, national, and international levels, collaborating with hospitals, healthcare organizations, the United Nations, and non-governmental organizations to improve health and wellbeing outcomes.
Career Planning Center	The Career Planning Center at BSU plays a pivotal role in connecting students and teachers with job opportunities, research projects, and internships to gain practical experience, thereby contributing to better wellbeing and employment prospects.
International Engagements	The university actively engages in international research collaborations, student exchanges, and educational programs, exemplified by the partnership agreement with the United Nations Food and Agriculture Organization (FAO) to empower women in rural areas.
Community Outreach	BSU is committed to promoting health and well-being in the local community. Initiatives like the Law Clinic and the "BSU Volunteers" program provide free legal assistance and engage over 1,000 student volunteers in various community activities.
Mental Health Support	The university offers psychological support services to both employees and students, covering a wide range of areas such as depression, anxiety, post-traumatic stress disorder, sexual problems, and personal development, with a focus on promoting mental health and well-being.
Reproductive-Health Services	BSU ensures access to sexual and reproductive health services for students and employees, along with informational and awareness campaigns, all provided free of charge.
No-Smoking Policy	BSU has implemented a strict no-smoking policy across its campus, promoting a safe and healthy environment for all by prohibiting smoking in university buildings, residence halls, and other areas.
Safety Measures	The university has taken safety measures in dormitories, including the installation of monitoring devices such as fire alarms, smoke detectors, and surveillance cameras to identify and address potential emergency situations promptly.

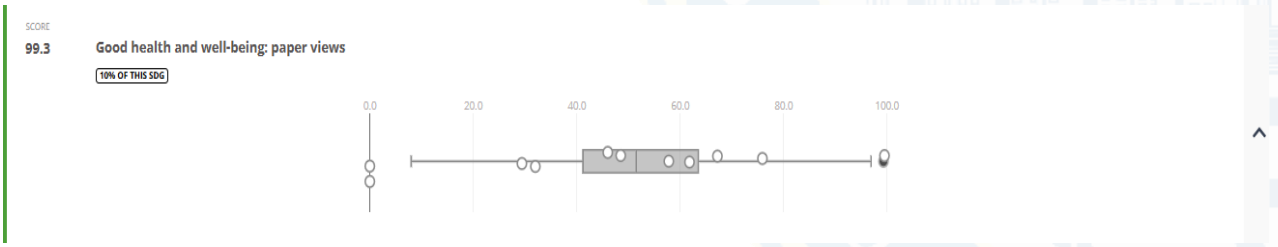
Future goals



Ranking Results









Ranking Results

OVERALL RANK

401–600 out of **2318** institutions

THE IMPACT RANKINGS

3

GOOD HEALTH AND WELLBEING

SCORE **51.3**

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



UI GreenMetric World University Rankings

3. WORLD RANKINGS HISTORY



Figure 3.1 World Rankings History Diagram

4. RANKING IN AZERBAIJAN



http://sdg.bsu.edu.az/

3 GOOD HEALTH AND WELL-BEING

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
41.19%

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%

http://sdg.bsu.edu.az/

3 GOOD HEALTH AND WELL-BEING

MEMBERSHIPS:

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

ISCN
International Sustainable Campus Network

CANiE
climate action network

GUNI
GLOBAL UNIVERSITY NETWORK FOR INNOVATION

Research

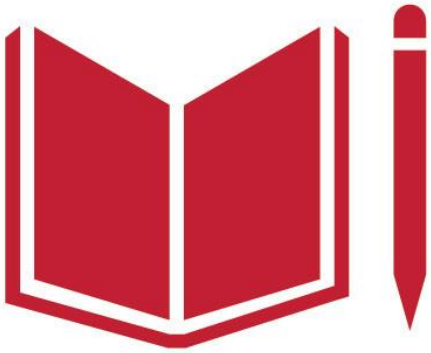
SDG contributions

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

2024 REPORT ON

4 QUALITY EDUCATION



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.




INDEPENDENT AGENCY
FOR QUALITY ASSURANCE IN EDUCATION (IQAA)
Certificate of International Accreditation of Study Programmes
is issued to
Baku State University
23 Z.Khalilov Street, AZ 1148, Baku, Azerbaijan Republic, www.bsu.edu.az
Accreditation of the Ministry of Education of the Azerbaijan Republic № 010 from July 07, 2017
Rector: E.S. Babayev, PhD in Physical and Mathematical Sciences, Associate Professor
Legal Form: Legal Entity of Public Law under the Ministry of Education of the Republic of Azerbaijan
Degree Granted: Master
Study Programmes:
060504 - Analytical Chemistry
060504 - Physical Chemistry
060504 - Inorganic Chemistry
Accreditation Validity Period:
29 March 2021 – 28 March 2026
Sergey Udartsev
Chairman of the Accreditation Council, Prof., D.Sc.
Sholpan Kalanova
President of Agency, Prof., D.Sc.
SA-A № 0210/2 from 29 March 2021
20 Dostyk Street, Office 801, Nur-Sultan
Z05H9M7, Republic of Kazakhstan
www.iqaa.kz

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.


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060504 - Organic Chemistry
060504 - Oil Chemistry
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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.

SDG 4. QUALITY EDUCATION



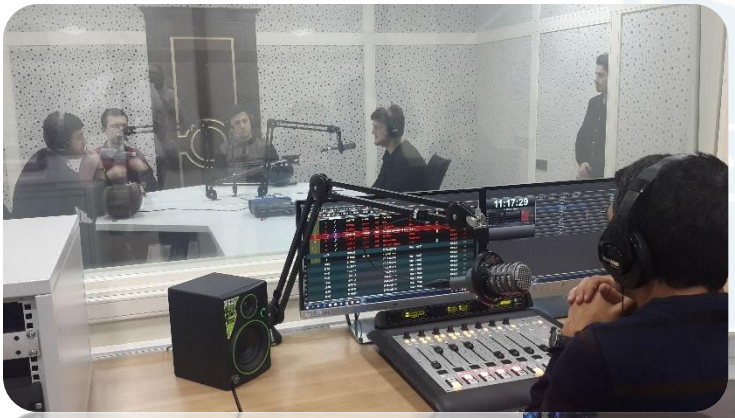
As the oldest and largest university in the country, BSU offers a wide range of facilities, including libraries, its own tv and radio studio, laboratories, museums, and more. The scientific library of Baku State University stands out as one of the most resourceful university libraries in the republic, 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 market.







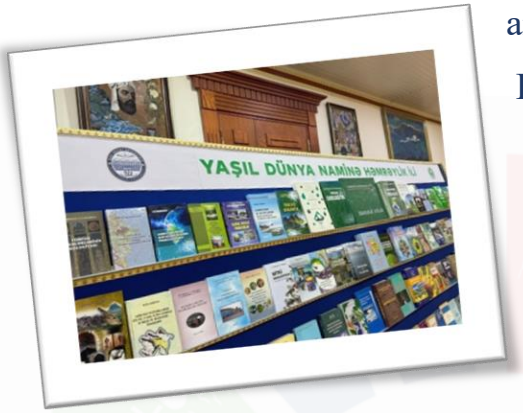

BAKI DÖVLƏT UNİVERSİTETİ

BOOK EXHIBITION CALLED "YEAR OF SOLIDARITY FOR GREEN WORLD" AT BSU



A book exhibition called "The Year of Solidarity for the Green World" was organized at the scientific library of BSU. More than 100 textbooks, atlases, encyclopedic dictionaries, conference materials, and other publications related to the nature of Azerbaijan and various fields of ecology were displayed at the exhibition. Among the exhibited works were books authored and co-authored by well-known BSU scientists, such as "Ecology and Environmental Protection," "Human Ecology," "Forest Ecology," "Encyclopedic Ecological Dictionary," "Ecology, Environment and Man," and "Ecological Geology." the exhibition also included the books "General Ecology" and "Priority Directions of Environmental Policy and Green Economy in the Context of Sustainable Development."





THE MICROMORPHOLOGY OF DIFFERENT TYPES OF PLANTS IS STUDIED AT BSU



The scientific article titled "Micrometer Insights Into Nepeta Genus: Pollen Micromorphology Unveiled," co-authored by Afat Mammadova, Dean of the Faculty of Biology at Baku State University (BSU), has been published in the journal *micron* and submitted to the "Scopus" and "Web of Science" databases.

BAKU STATE UNIVERSITY INTRODUCES MANDATORY ANNUAL TRAINING ON SOCIAL SUSTAINABILITY

BSU has strengthened its dedication to sustainability by implementing a compulsory annual training program focused on the social dimensions of sustainability for students, faculty, and professional staff. The program is designed to cultivate a more inclusive, ethical, and socially responsible academic environment.

Advancing social sustainability

The training equips participants with key knowledge and skills in areas such as:

- **Diversity, Equity, and İnclusion (DEİ):** promoting fairness and equal opportunities within the university community.
- **Social justice and ethical governance:** supporting human rights, labor rights, and ethical leadership practices.
- **Community engagement and social responsibility:** encouraging active involvement in societal development.

- **Health, well-being, and work-life balance:** enhancing the mental and physical well-being of students and staff.

Training delivery

BSU's sustainability program is offered through:

- **Online learning modules:** accessible via the university's digital platform for flexible study.
- **Workshops and interactive seminars:** conducted by faculty and industry experts.
- **Case studies and group discussions:** applying social sustainability principles in practical contexts.

Ongoing commitment

As part of BSU's wider sustainability efforts, the training is mandatory for all students, faculty, and staff, with completion monitored by the Quality Assurance Office. Participants receive official certificates upon successful completion of the program.





A YOUNG SCIENTIST OF BSU IS CONDUCTING RESEARCH ON GREEN ENERGY PRODUCTION

A young researcher from BSU is working on green energy production. The article *"Molecular-dynamic modeling of the stability of MAPbX3 (X=I-, CL-, BR-) structures as solar cells"*, co-authored by Lala Kahramanli, a leading scientist at the Nanoresearch laboratory of the excellence center for research, development, and innovation at BSU, has been published in the journal *Ovonic Research* . The study explored methods for forming hybrid organic/inorganic perovskite thin-film structures and examined their stability. Using molecular dynamics simulations, the research provided a theoretical analysis of materials based on MAPbX3 (X=I-, CL-, BR-) hybrid perovskites. The work thoroughly investigated flexible and rigid joint models of these structures through various modeling approaches and assessed the impact of thermal processes on their stability.



AN EVENT DEDICATED TO THE WORLD ENVIRONMENTAL EDUCATION DAY WAS HELD AT BSU



At the event, BSU associate professor Azer Jafarov stressed that solving environmental problems requires a global shift from a consumer society to one that protects nature. He called for international control of natural resources, fair distribution, an "International Ecological Code," and widespread environmental education. Second-year student Nijat Hasanov emphasized the role of environmental education in raising awareness and preventing future challenges, while dean Akif Aghbabali expressed confidence that BSU students will lead in environmental protection.



It was also noted that the international environmental education movement began with the 1972 UN Stockholm conference, which adopted 26 principles on environment and sustainable development, including the importance of environmental education.





A MEMORANDUM OF UNDERSTANDING WAS SIGNED WITH THE BIOLOGICAL DIVERSITY PROTECTION SERVICE

BSU signed a memorandum of understanding with the Biological Diversity Protection Service of The Ministry of Ecology and Natural Resources.

At the ceremony, rector Elchin Babayev highlighted that hosting COP29 in Azerbaijan in 2024 is a major achievement, reflecting international trust and respect for the country. He emphasized that declaring 2024 the "year of solidarity for the green world" creates new responsibilities for state and educational institutions, noting that BSU already carries out policy-oriented research with government agencies. He expressed confidence that the memorandum will strengthen state policy in this field.

Head of the service, Firuddin Aliyev, stressed that Azerbaijan's national parks and reserves provide favorable conditions for scientific research, and BSU students will gain practical training opportunities there. The memorandum also envisions service employees contributing to BSU's teaching process, and involving ecology and environmental law students in environmental projects.









BSU STUDENTS WILL IMPLEMENT THE PROJECT THAT INCREASES THE ENVIRONMENTAL LITERACY



BSU Ecology and Soil Science students Nijat Hasanov and Fidan Ganiyeva led the “Ekonəfəs” project, which won the networking meeting organized by the youth fund of Azerbaijan and the "Supporting Youth Education" public union. At the event, teams of young people presented project ideas dedicated to the “Year of Solidarity for the Green World.” Among eight competing teams, the “Ekonəfəs” team guided by BSU students secured first place and a 3000-manat prize. The project, launched under the slogan *“Ekonəfəs,”* aims to enhance environmental literacy among youth.





SCIENTIFIC SEMINAR ON "PROSPECTS OF RECHARGEABLE SODIUM-ION BATTERIES"

At BSU's Nanoresearch laboratory, a scientific seminar on "Prospects of Rechargeable Sodium-Ion Batteries" was held. Researcher Almara Rahimli delivered a presentation covering the advantages of sodium-ion batteries compared to lithium-ion batteries, their technical parameters, similarities and differences, as well as the latest developments in the field.

She highlighted that sodium-ion batteries have a structure similar to lithium-ion batteries used in many electronic devices, but rely on sodium ions instead of lithium ions for energy storage. Their main advantage is low production cost, since sodium is abundant in nature. Unlike sodium-sulfur batteries, sodium-ion batteries can also be manufactured in sizes comparable to lithium-ion batteries. However, a challenge arises as anode materials expand up to 400–500% when reacting with sodium, leading to mechanical damage and loss of electrical contact. To address this, recent studies focus on using new graphite-based layers for the negative electrode, raising hopes that sodium-ion batteries could eventually replace lithium-ion ones. The seminar concluded with a Q&A session with participants.



BAKU STATE UNIVERSITY CELEBRATES SUCCESS OF SKILLS DEVELOPMENT RESOURCES INITIATIVE

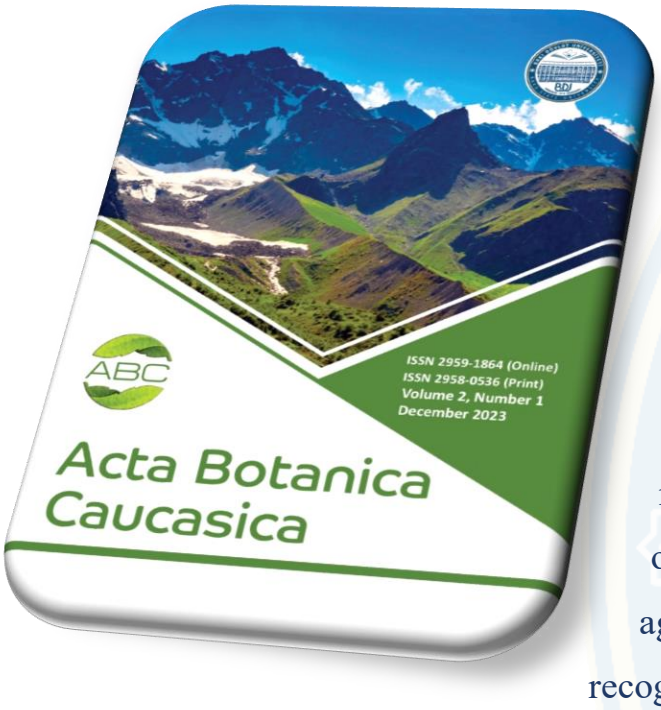
BSU has successfully launched the Skills Development Resources Initiative to equip students with essential academic and soft skills for professional and personal growth, reflecting the university's commitment to preparing well-rounded individuals.

Key achievements:

- Time management: students learned strategies to balance studies and personal life.
- Communication: workshops improved verbal and written communication.
- Critical thinking: sessions enhanced problem-solving and analytical skills.
- Teamwork & leadership: activities strengthened collaboration and leadership abilities.

The initiative has boosted students' confidence and readiness for future challenges. Participants praised its impact, with one student calling the time management workshop "life-changing" and another noting increased confidence in teamwork. BSU plans to expand the program based on feedback, promoting lifelong learning and continuous improvement. The initiative concluded with an event where students shared experiences and faculty recognized its contribution to academic and personal development.

THE SCIENTIFIC JOURNAL FOUNDED BY BSU HAS BEEN INDEXED IN THE ARGIS



The journal "Acta Botanica Caucasica," published by BSU, has been indexed in the International System For Agricultural Science and Technology (Agris) of the UN Food and Agriculture Organization (FAO) and assigned a unique identification code. AGRIS is a major global public database containing over 12 million bibliographic records in agricultural science and technology and is recognized as a leading resource in biological and agricultural research. Operating since 1974, AGRIS collects information from more than 150 institutions, including academic centers, publishers, government bodies, and international organizations across 65 countries. Over 400,000 researchers and specialists worldwide utilize AGRIS, which enables advanced searches using keywords from the AGROVOC database, journal titles, or the names of countries, institutions, and authors.

MEETING ON AWARENESS EVENTS ON THE FIELD OF SOCIAL WORK



Within the framework of the "Education in the field of social work" project, a meeting was held between the Department of Social Work of BSU's faculty of Social Sciences and Psychology and representatives of the State Social Protection Fund (DMSF).



The meeting was attended by BSU's department head, associate professor Uzeyir Shafiyev, department employees Eliza Ismayilova and Tarlan Taghiyeva, as well as DSMF officials including Eyvaz Ismayilov, Rasim Safarov, Elnur Mammadov, and deputy directors Lala Abdullayeva and Jafar Salmanov.

The project aims to familiarize students with DSMF's activities, the country's social reforms, applied innovations, and to align them with social work education. Speaking at the event, Uzeyir Shafiyev emphasized the importance of cooperation with DSMF in improving the quality of social work education, noting the need for practical master classes by DSMF experts. The meeting also explored future collaboration opportunities.



A NEW OPPORTUNITY FOR STUDENTS ENGAGED IN STARTUP ACTIVITIES



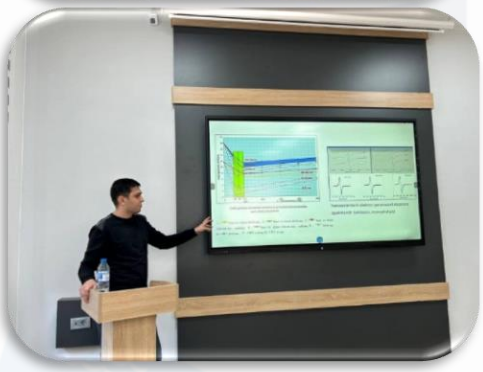
The 3rd stage of the **"Viveka Company Creation Program"** has been launched exclusively for Baku State University within the framework of Turkey's leading innovation firm **Viveka**, initiated by the **Innovations and Digital Development Agency** and sponsored by **PASHA Holding**. The program offers aspiring entrepreneurs the knowledge, resources, and support to transform ideas into startups, covering technological, legal, financial, and market aspects. It also provides practical skills to create a No-Code MVP, enabling the development of a Minimum Viable Product without advanced technical expertise.

AN EVENT ON "GREEN CHEMISTRY" WAS HELD AT BSU









BSU faculty of chemistry hosted a "Green Chemistry" event dedicated to the *Year of Solidarity for a Green World*, jointly organized by the "Molecular Minds" club of BSU volunteers and the "environmental care" club of Baku Higher Oil School. Deputy dean Taleh Gahramanov highlighted Azerbaijan's national priority of clean environment and green growth until 2030, emphasizing youth involvement in related projects. Club leaders Deniz Seydaliyeva and Karam Mammadzade spoke about the concept, principles, and importance of green chemistry, its relation to environmental chemistry, and solutions to ecological problems. The event also discussed the creation of green energy zones in Karabakh, Eastern Zangezur, and Nakhchivan, as well as environmental protection and forest restoration in liberated territories.

HEALTHY LIFESTYLE TRAINING WAS HELD AT BSU



BSU's Student Youth Organization, together with the Center for Public Health and Reforms, held a "Healthy Lifestyle" training where speaker Zumrud Kazimova emphasized the importance of preventing harmful habits such as smoking, alcohol, and drug use for the healthy development of youth. She highlighted the key role of physical education in shaping a healthy lifestyle, explained the daily routine necessary for well-being, and answered students' questions at the end of the session.



STARTUP SCHOOL 2 - AI FOR GREEN SOLIDARITY PROJECT WAS





PRESENTED AT BSU

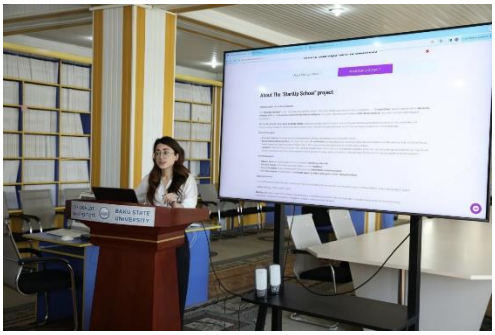


The "Enterprise Azerbaijan" portal, operated by the center for analysis of economic reforms and communication, held an educational event at BSU within the "Startup School 2 - Ai for Green Solidarity" project, in partnership with the German Research Center for Artificial Intelligence and the University of Nevada. Speakers Ramin Samadov, Matanat Musayeva, and Nazrin Akbarova highlighted the project's role in supporting youth ideas, developing AI skills, and fostering innovation culture in Azerbaijan. The event featured a quiz on the startup ecosystem, with active





participants awarded the book *"Innovation and Entrepreneurship: Startup Ecosystem"*, and concluded with visits to BSU's Student Scientific and Technical Creativity Center and Nanoresearch laboratory





SCIENTIFIC SEMINAR ON "GREEN LIBRARIES"



At BSU's faculty of information and document management, a scientific seminar dedicated to the "Year of Solidarity for the Green World" was held, where associate professor Nadir Ismayilov presented a report on "Green Libraries". He highlighted the significance of President Ilham Aliyev's decree, the importance of COP29 being hosted in Azerbaijan, and explained the concept, mission, and global development of green





libraries, including their role in sustainability and resource efficiency. Emphasizing the potential for applying this model in rebuilding library infrastructure in Karabakh and Eastern Zangezur, the seminar sparked great interest and broad discussions among participants.

EXCURSION TO BAKU ZOOLOGICAL PARK



On March 3 – world wildlife day, the faculty of ecology and soil science of BSU together with the "BSU Volunteers" organized an excursion to the Baku Zoological Park, where students were informed about the protection and reintroduction of endangered species listed in Azerbaijan's "Red Book" and got acquainted with unique fauna. The zoo, first opened in 1928 and reconstructed through IDEA's initiative in 2017, reopened in 2021 with an expanded area of 4.25 hectares. Today, it houses 125 plant and animal species, including 22 Red Book species, and ensures the conservation and breeding of rare animals for release into the wild.











SCIENTIFIC SEMINAR ON MITOCHONDRIAL GENETIC DISEASES AT THE BIOLOGY FACULTY



The student scientific union of the BSU faculty of biology held a seminar dedicated to the "Year of Solidarity for the Green World" titled *"Molecular Organization of Complex I in the Mitochondrial Electron-Transport Chain and Related Genetic Mechanisms"*, organized by graduate students Maltam Gasimova and Dinara Javadzadeh in the format of a research defense. The report highlighted the role of mitochondria as essential organelles responsible for ATP synthesis, discussed genetic information arising from electron transfer processes, the methods used to study it, and concluded with answering participants' questions.

STUDENTS OF FACULTY OF ECOLOGY AND SOIL SCIENCES PARTICIPATED ON THE FIELD TRIP



Faculty and students of BSU's Faculty of Ecology And Soil Science, together with the Ministry of Ecology and Natural Resources, took part in releasing 8 gazelles into the wild in the Acinohur plain within the Gakh State Nature Reserve. The initiative supports gazelle protection, restoration of historical habitats, and population growth, which has risen to 345 since recovery efforts began 12 years ago. Plans include creating artificial water sources, sowing fodder plants, and strengthening protection measures to enhance regional biodiversity.

STUDENTS OF BIOLOGY FACULTY IS ON FIELD TRIP



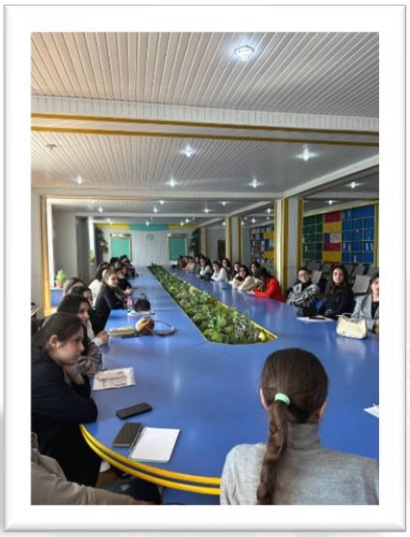
BSU biology students specializing in water bioresources and aquaculture visited Azerbaijan Fish Farm, Xilli Bayak, and Kahf LLCs in Neftchala. At the Yenikend Sturgeon breeding farm, they observed the production process, with a capacity of 10 tons of caviar and 200 tons of sturgeon meat. They also toured the Neftchala fish feed factory of "Kahf" LLC, learning about fodder

production technology and recipe preparation at the enterprise with an annual capacity of 25,000 tons.



PSYCHOLOGICAL ASSISTANCE UNIT ORGANIZED A TRAINING ON BULLYING

BSU psychological assistance unit organized a training on “Bullying” to promote a healthy psychological environment in education and inform students about protection against violence. The training highlighted bullying as a widespread issue, defined it as repeated aggressive behavior harmful to adolescents, and discussed its four forms: cyber, physical, sexual, and social. Psychological and sociological causes were analyzed, the importance of family–school cooperation was stressed, and an educational video on prevention was shown.





A COLLECTIVE AGREEMENT HAS BEEN SIGNED BETWEEN BAKU STATE UNIVERSITY (BSU) AND THE BSU TRADE UNION COMMITTEE (TUC)

Rector Elchin Babayev noted that the agreement, signed under the pact between the Ministry of Science and Education and the Education Workers' Trade Union, will strengthen cooperation between BSU and its Trade Union Committee (TUC) on the basis of social partnership. Rashad Cabarov, Chairman of the TUC, emphasized that the agreement will boost collaboration and highlighted the committee's role in protecting the social, legal, and moral interests of BSU staff.





BSU VOLUNTEERS VISITED SURAKHANI SHIP MUSEUM





Members of the BSU Volunteers organization visited the “Surakhani” ship-museum of ASCO, where they learned about the history of Azerbaijani shipping and explored various exhibits. Notably, the world’s first tanker-type museum showcases modern technological innovations, displaying the history of the Caspian Sea, oil production in Absheron, shipping development, navigation tools, 5,000-year-old sea knots, and ship equipment.









BAKU STATE UNIVERSITY INTRODUCES COMPREHENSIVE TUTORING AND MENTORING PROGRAMMES



BSU has launched a comprehensive tutoring and mentoring program to support student achievement and academic excellence. The initiative provides personalized guidance through one-on-one tutoring, group mentoring, seminars, and workshops, helping students overcome academic challenges, prepare for exams, and develop career and life skills. Open to all BSU students, the program fosters collaboration between students, faculty, and mentors, creating a supportive academic community.

TRAINING ON MANAGING EXAM STRESS HELD FOR BSU STUDENTS



BSU's Learning Development Center, together with the Psychological Support Sector, held a training on "Managing Exam Stress" for students. The session covered the effects of stress on daily life, causes of exam anxiety, and practical management techniques such as breathing exercises and muscle relaxation. It emphasized the importance of effective stress control for well-being and ended with an interactive Q&A addressing students' questions.

PHYSICS FACULTY HOSTS SCIENTIFIC SEMINAR WITHIN THE FRAMEWORK OF GREEN WORLD SOLIDARITY YEAR



BSU's Physics Faculty held a seminar on "Energy Issues in the Modern World" as part of the *Green World Solidarity Year*. Associate professor Shahin Alekberov discussed classical and renewable energy sources, focusing on challenges of production, storage, conversion, and transmission. He highlighted the importance of applying energy sources for scientific and practical purposes and presented a comparative analysis of their ecological, safety, and economic aspects.



PROJECT "SAP HYDROGEL BASED SMART IRRIGATION SYSTEM" BY BSU EMPLOYEE BECAME THE WINNER OF BAKU WATER WEEK

The "SAP hydrogel-based smart irrigation system" by Ilyas Nasibov, director of BSU's student scientific and technical creativity center, was selected among the top 3 startups at the Baku Water Week. Based on IoT, the system reduces water consumption in fields and greenhouses by enabling localized irrigation according to soil moisture, while hydrogels maintain long-term plant hydration. A mobile app

allows monitoring and control of key parameters such as temperature, humidity, CO_2, pressure, soil moisture, minerals, and photosynthetic radiation.





CAUSES OF CLIMATE CHANGE DISCUSSED AT BSU





At BSU's faculty of biology, the "Sustainable Harmony of Nature" club held a seminar on climate change causes and its impact on Azerbaijan's biodiversity, highlighting rising temperatures, reduced precipitation, and declining water levels. Solutions discussed included preventing pollution, preserving biodiversity, expanding greenery, and improving waste management, with COP29 and the "Green World Solidarity Year" noted as key contributions. Under Sevinc Mammadova's mentorship, students presented on greenhouse effects, glaciers, human activity, and Azerbaijan's green pledges, followed by a faculty-student discussion.





BSU HOSTS WORKSHOP TITLED CRYSTALS, QUASICRYSTALS, AND APPLIED FOLK ART

Professor Imamaddin Amiraslanov, Head of the Crystallography Laboratory at the Institute of Physics, delivered a lecture on "Crystals, Quasicrystals, and Applied Folk Art," discussing key discoveries in crystallography, the Nobel-winning discovery of quasicrystals, and the role of Penrose networks in solving crystallographic problems. He also drew parallels between crystallographic concepts and geometric ornamentation in medieval Eastern art, showcasing new tessellation-style artworks, and the event concluded with a Q&A session.





BSU NANO RESEARCH LABORATORY HOSTS SCIENTIFIC SEMINAR TITLED NANOMATERIALS FOR HYBRID SOLAR CELLS



At the BSU , senior researcher Sevinj Nuriyeva delivered a seminar on "Nanomaterials for Hybrid Solar Cells," highlighting the role of material properties in solar panel performance, the synthesis and modification of innovative materials, and the development of hybrid electrodes. She also discussed the laboratory's work on perovskite-based tandem photovoltaic systems and the progress in solar cell technologies.



BSU HOSTS MODEL UN SIMULATION CONFERENCE



BSU hosted a model un simulation conference titled *"Addressing Environmental Issues Worldwide Within the Framework of Sustainable Development Goals"*, organized by the "BSU volunteers" as part of the *Year of Solidarity for a Green World*, introducing students to un principles and practices.

THE FORESTATION EVENT AND TRAINING WERE HELD

As part of the *Year of Solidarity for a Green World*, the Faculty of Biology of BSU and the Forestry Development Service organized afforestation events in Shabran titled *"Let's Block Carbon"* and *"Measuring the Carbon Storage Potential of Trees"*, where students learned about planting techniques, drought-resistant plants, and methods for calculating tree biomass and carbon capture, with the event later dedicated to the memory of Yusif Abiyev, assistant dean for social issues.







A MEETING OF THE REGIONAL SECTION OF THE II INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE ON INCLUSIVE EDUCATION WAS HELD AT THE KAZAKH BRANCH OF BSU

The Kazakh branch of BSU hosted a regional meeting of the II International Scientific-Practical Conference *"From Inclusive Education to Inclusive Society" (ITIC 2024)*, jointly organized with the Ministry of Science and Education and Baku Slavic University. Speakers, including BSU Vice-Rector Shahin Panahov and other academic leaders, highlighted Azerbaijan's progress in inclusive education, legislative support, and the implementation of the *Inclusive Education Project* since 2005. Presentations covered topics such as physical education for students with disabilities, inclusive practices in schools and higher education, socialization of children with disabilities, and pedagogical approaches for effective inclusive teaching. The event concluded with discussions and the awarding of certificates to participants.













TRAINING AT BSU: THE ROLE OF YOUTH IN THE TRANSITION TO GREEN ENERGY



BSU, together with the Faculties of Ecology and Soil Science, Journalism, and the "Ekosfera" Ecological-Social Center, organized a training titled *"The Role of Young People in the Transition to Green Energy"* within the "Year of Solidarity for a Green World." The event focused on climate change risks, energy security, COP29, and Azerbaijan's green energy initiatives. Speakers, including Firuza Sultanzade, Akif Aghbabali, and Vugar Aliyev, highlighted the country's leading role in promoting sustainable strategies and combating climate change. Presentations on COP29, green energy, and climate leadership were delivered, and the role of journalism students in creating media content for COP29 was emphasized.







TRAINING FOR BSU STUDENTS: FAMILY AS THE MAIN CARRIER OF NATIONAL-SPIRITUAL VALUES

At BSU Faculty of Social Sciences and Psychology, a training session titled *"Family as the Primary Conveyer of National and Moral Values"* was held with active participation from faculty volunteers and the Student Youth Organization. Led by dean Rovshan Javadov, the event emphasized the historical and cultural importance of the family in Azerbaijan, its role in preserving moral and genetic heritage, and the need to strengthen parent-child relations while safeguarding national traditions against negative foreign influences. Participants also learned about faculty research on family studies and the psychological aspects of family relationships, and the session concluded with a Q&A.



BAKU STATE UNIVERSITY LAUNCHES ACADEMIC WRITING SUPPORT PROGRAM TO FOSTER STUDENT SUCCESS

Baku State University (BSU) has launched the Academic Writing Support Program to help students improve scholarly communication skills and succeed in their academic journey. The program offers individualized consultations with writing tutors, interactive workshops, and guidance on citation and referencing, available both online and on-campus. By enhancing clarity, organization, and integrity in academic writing, the initiative prepares students for research, publishing, and postgraduate studies. Open to all BSU students, it reflects the university's commitment to fostering excellence, confidence, and a strong culture of research and communication.



BSU STUDENTS AT THE "FROM WASTE TO ART" MUSEUM

As part of the "Year of Solidarity for the Green World," BSU's Faculty of History students visited the "From Waste to Art" museum in the "Gala" State History-Ethnography Reserve, established by the Heydar Aliyev Foundation. The museum highlights environmental awareness by transforming discarded materials into art. Students also explored the reserve's castle walls and archaeological artifacts from the XIV-XV centuries.

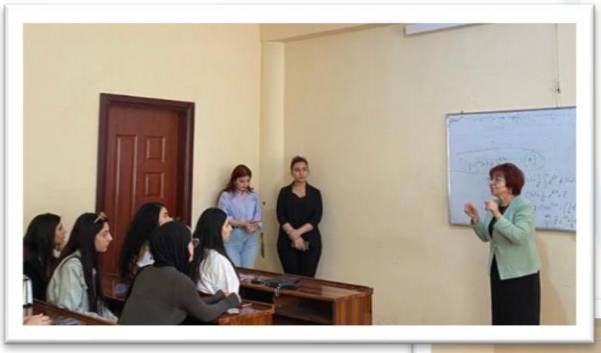






OPEN DIALOGUE ON "GENDER ISSUES IN AZERBAIJAN" AT BSU

The "Sustainable Development Goals" club of BSU Volunteers held an open dialogue on "Gender Equality in Azerbaijan," where students discussed the concept of gender, ongoing reforms, and the role of women in society. They emphasized Azerbaijan's state policies initiated by Heydar Aliyev, the legal framework ensuring gender equality, and its alignment with the UN's fifth Sustainable Development Goal. The event fostered active student engagement and diverse perspectives on promoting equality by 2030.







BSU STUDENTS VISIT TO ANTI-CORRUPTION HEADQUARTER: OPEN DOOR DAY



BSU Law students attended an "Open Door" event at the Anti-Corruption Office under the Prosecutor General, where they learned about its structure, functions, and cooperation with investigative bodies. They toured the premises, explored the Criminalistics Department, and were introduced to forensic tools and crime-solving techniques through detailed explanations and interactive discussions.









1684 BSU STUDENTS GRANTED EDUCATION LOANS IN THE LAST 3 YEARS

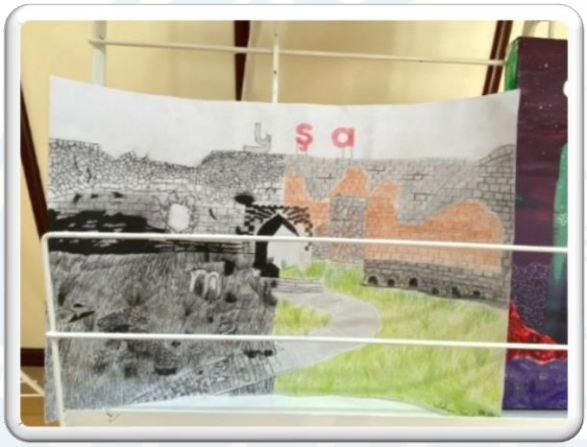
From 2021 to 2024, Baku State University (BSU) granted a total of 1,684 education loans (494 social and 1,190 standard) out of 2,038 applications. In the 2023/2024 academic year, 705 students (184 social, 521 standard) received loans. These loans require no collateral or guarantor, are long-term, interest-free, and do not need to be repaid during study or grace periods.

PAINTING EXHIBITION DEDICATED TO "THE YEAR OF SOLIDARITY FOR A GREEN WORLD" AT BSU



An art exhibition dedicated to the "Year of Solidarity for the Green World" was held at BSU's Faculty of Chemistry, organized by the Student Youth Organization and Student Trade Union Committee. Showcasing 30 student paintings, the two-day event aims to raise awareness on environmental protection, climate change, and youth involvement in sustainability efforts.


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THE STUDENT SCIENTIFIC SOCIETY OF BSU LAUNCHES SEMINAR IN COMMEMORATION OF THE YEAR OF SOLIDARITY FOR A GREEN WORLD

The Student Scientific Society of BSU launched a seminar series dedicated to the "Year of Solidarity for the Green World," engaging faculties such as Chemistry, Physics, Geography, History, Ecology, and Soil Science. Speakers addressed topics including sustainable urban planning, innovative green technologies, anthropogenesis, green fuels, and renewable energy systems. Emphasizing Azerbaijan's national priority of creating a "Country of clean environment and green growth" by 2030, the seminars highlighted both global best practices and local initiatives in reforestation, waste recycling, and sustainable energy development.














INTERACTIVE LESSON FOR BSU STUDENTS AT AZERBAIJAN GEOLOGY MUSEUM OF EMSN



Students from the Faculty of Ecology and Soil Science at Baku State University participated in an interactive lesson at the Azerbaijan Geology Museum as part of the "Year of Solidarity for the Green World." During the lesson, students received detailed information on Azerbaijan's complex geological structure, mineral resources from various periods, their discovery, extraction, industrial



applications, the economic prospects of potential deposits, and methods for maintaining natural balance. At the end, museum staff answered the students' questions.





8TH INTERNATIONAL CONFERENCE ON SUSTAINABLE MANAGEMENT (ICSM) HELD IN HYBRID FORMAT IN BANGKOK, THAILAND

The 8th International Conference on Sustainable Management (ICSM) successfully concluded on July 12, 2024, bringing together a diverse group of thought leaders, industry experts, and researchers from around the world. The conference was held in a hybrid format, allowing both in-person and virtual participation, and took place at Krirk University, Bangkok, Thailand.

Associate Professor Rauf Hasanov, Head of the International Relations Office at Baku State University presentation, titled "The Impact of Higher Education and Partnerships in Promoting Sustainable Development: Baku State University (BSU)

Case," provided valuable insights into the Sustainable Development Goals (SDGs) related initiatives undertaken by Baku State University.

Professor Hasanov emphasized the crucial role that higher education institutions play in promoting sustainable development. He detailed several key initiatives at BSU, including:

University-Business Partnerships: Collaborative efforts between the university and industry to foster innovation and sustainability.

Research Projects: Cutting-edge research aimed at addressing global sustainability challenges.

Curriculum Development: Integration of sustainability concepts into the university's curriculum to educate future leaders.

SUSTAINABILITY CAMPUS INITIATIVES: EFFORTS TO CREATE A MORE SUSTAINABLE CAMPUS ENVIRONMENT THROUGH VARIOUS GREEN INITIATIVES.

He emphasized that BSU is committed to integrating sustainable development into all aspects of our university, from research and teaching to partnerships and university initiatives. He also noted that by collaborating with industry and other stakeholders, universities can make meaningful progress towards achieving the SDGs.



The ICSM continues to serve as a premier platform for sharing innovative ideas and strategies in sustainable management. This year's hybrid format allowed for broader participation, enabling attendees from different parts of the world to engage in discussions and share their experiences.

BSU WILL TRAIN SPECIALISTS IN THE CITY CADASTRE SPECIALIZATION FOR THE 2024-2025 ACADEMIC YEAR

Starting from the 2024/2025 academic year, Baku State University's Faculty of Ecology and Soil Science will launch a new specialization in "City Cadastre," focusing on the management of urban data, including legal, environmental, and economic aspects. Designed to meet modern urban management needs, particularly after the restoration of cities in Eastern Zangezur and Karabakh, the program emphasizes smart city solutions, sustainable transport, and green energy. It also aligns with national priorities such as transport corridors, industrial parks, and



international integration, while offering students practical experience through collaborations with state institutions and organizations like the State Service for Real Estate Affairs, the Urban Planning and Architecture Committee, and "Azerkosmos" OJSC.

BAKU STATE UNIVERSITY HOSTS GRAND FRESHMAN ORIENTATION EVENT



Baku State University (BSU) hosted a vibrant Freshman Day Orientation to help new students adapt to university life. The program featured a welcome speech from the rector, interactive workshops on campus resources and study tips, guided tours of key facilities, and networking sessions with peers and faculty. An Interactive Q&A Panel with students and alumni provided practical insights, while a cultural performance highlighted BSU's diversity. The event left freshmen inspired and prepared to begin their academic journey.

SCIENTIFIC SEMINAR AT BSU: “THE BIOGEOGRAPHY AND BIODIVERSITY OF AZERBAIJAN"S FLORA IN THE CONTEXT OF CLIMATE CHANGE"

At Baku State University’s Faculty of Ecology and Soil Science, a seminar titled “The Biogeography and Biodiversity of Azerbaijan's Flora in the Context of Climate Change” featured a presentation by Elman Yusifov, head of the Laboratory of Higher Plant Ecology and Geography at the Institute of Botany. He discussed global and regional climate change trends, the distribution of Azerbaijan’s vegetation by relief, and the rise of endemic plant diversity with altitude, while noting threats from anthropogenic impacts. Yusifov also highlighted biodiversity protection efforts, innovations in botany, and the effects of climate change on flora, before answering students’ questions.



A SCIENTIFIC CONFERENCE IS BEING HELD ORGANIZED BY BSU AS PART OF BAKU CLIMATE ACTION WEEK

As part of Baku Climate Action Week, Baku State University is hosting a scientific conference on "Accelerating Research and Collaboration for Climate Action," addressing the scientific and practical aspects of climate change.



Discussions focus on the role of empirical data, artificial intelligence, and advanced analytical tools in predicting and combating climate change, the impact on transboundary water resource management, and the need for new collaboration mechanisms. Participants are also exploring international cooperation, innovative technologies such as renewable energy and carbon capture, and the socio-economic impacts of climate change, with the conference serving as a key step toward COP-29.

MEETING WITH STUDENTS OF READING CLUB

Baku State University's "Reading Club," launched by the Psychological Assistance Sector, held its first meeting with students from various faculties, discussing literary works and setting tasks to improve reading skills, aiming to support both educational and personal development.



CONCERT PROGRAM OF THE BSU VOLUNTEERS ORGANIZATION "LIN-ORPH" MUSIC CLUB



The "Lin-Orph" music club of the BDU Volunteers organized a concert featuring performances of popular songs by student volunteers. Active since 2019, the BDU Volunteers organization now unites over 1,000 students.

ROUND TABLE ON “ECOLOGICAL AWARENESS, ECOLOGICAL EDUCATION, ECOLOGICAL CULTURE” AT BSU



At Baku State University’s Faculty of Social Sciences and Psychology, a round table on "Ecological Awareness, Ecological Education, Ecological Culture" was held in connection with COP29. Speakers, including department head Kamala Penahova and deputy dean Nazakat Karimova, stressed the global nature of ecological problems, the need for responsible action to prevent global warming, and the importance of ecological awareness and culture. Faculty members highlighted COP’s significance for Azerbaijan, ongoing “smart city” and “smart village” projects in liberated areas, and the role of ethical responsibility in addressing climate change.

TRAINING ON "STARTUPS AND INNOVATIONS" FOR BSU STUDENTS

Baku State University's Student Youth Organization organized a training on "Startups and Innovations" led by Aqshin Nabizade, founder of "Nomail" LLC. Students learned about developing innovative ideas, business establishment, market and risk assessment, investor presentations, teamwork, and mentorship, with the aim of strengthening youth knowledge and skills in startups. The session concluded with a Q&A.



BSU VOLUNTEERS HAVE BEEN AWARDED

The "VII Solidarity Forum of Azerbaijani Volunteers," held with support from the Youth Foundation and various government and public organizations, celebrated the "Year of Solidarity for a Green World." At the forum, Ismail Zeynalov of BDU Volunteers was named "Volunteer of the Year" for his work in state institutions, while Rustam Aliyev and Mirhuseyn Tagiyev received diplomas for their contributions. Congratulations were extended to all volunteers.



AN “ECOLOGICAL CARTOGRAPHY” TEXTBOOK FOR UNIVERSITIES HAS BEEN PUBLISHED AT BSU

Within the "Year of Solidarity for the Green World," Baku State University’s Department of Geodesy and Cartography published the first Azerbaijani-language university textbook on "Ecological Cartography," co-authored by Afghan Talibov and Irina Verpatova. Covering five chapters and thirty topics, it addresses ecological mapping methods, mathematical and geographical foundations, and the use of aerocosmic materials, and includes images, tables, practical tasks, and a glossary of over 300 terms. The textbook, scientifically edited by Professor Maksad Gocamanov and reviewed by Associate Professors Ramiz Ahlimanov and Shamil Azizov, aims to enhance teaching quality in relevant specializations.

AN EVENT TITLED "LETS SAY NO TO HARMFUL HABITS!" WAS HELD THROUGH THE JOINT COLLABORATION OF THE "BSU VOLUNTEERS" ORGANIZATION, THE "SDG" CLUB, AND THE "PSYCHOSUPPORT SDG" CLUB

The "Let's Say No to Harmful Habits!" event, organized by the "SDG" and "Psychosupport SDG" clubs under BDU Volunteers, focused on the psychological, physiological, and social aspects of addictions, including internet addiction. Students actively participated, discussing causes, impacts, and potential solutions for combating harmful habits.

THE EDUCATION STUDENT CREDIT FUND HAS CONDUCTED A TRAINING FOR BSU STUDENTS

Baku State University's Career and Alumni Center organized a CV preparation training for students supported by the Education Student Credit Fund, covering faculties such as Information and Document Management, Geography, Applied Mathematics and Cybernetics, and Philology. Trainers guided students on CV structure, writing style, job search, interviews, goal setting, self-development, and career advancement, while addressing common mistakes and answering participants' questions.

THE PSYCHOLOGICAL SUPPORT SECTOR OF BSU HAS CONDUCTED A TRAINING TITLED "HEALTHY COMMUNICATION IN FAMILY RELATIONSHIPS

Baku State University's Psychological Support Sector held a training on "Healthy Communication in Family Relationships" for students from all faculties. Psychologist Ilkana Mansumova discussed the role of family in society, healthy communication structures, and the family institution in Azerbaijan, while addressing students' questions and providing solutions to common relationship issues.



BSU HAS BEEN SELECTED AS A FULL MEMBER OF THE GLOBAL UNIVERSITY NETWORK FOR INNOVATION

Baku State University has become a full member of the Global University Network for Innovation (GUNI), an international network of 364 universities, UNESCO chairs, and research centers from 100 countries. Established in 1999 to support higher education policies, GUNI membership offers BSU expanded opportunities to implement innovative developments.


CERTIFICATE OF MEMBERSHIP

The Global University Network for Innovation (GUNi) CERTIFIES that the

Baku State University

is member of GUNi, since its application was approved on Desember 10, 2024

And I hereby deliver the same:

Josep Maria Vilalta
Director
GUNi Secretariat

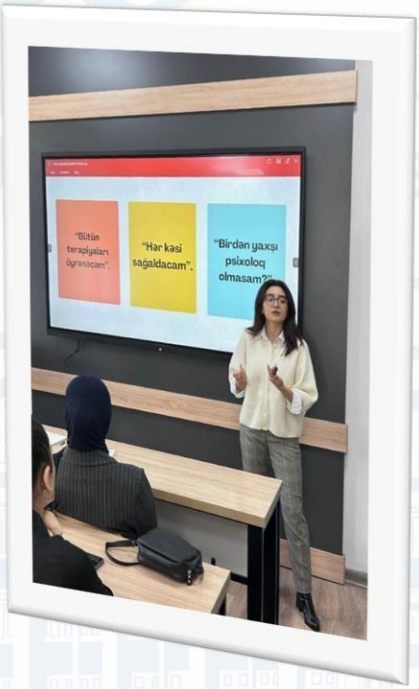
AN INTERNATIONAL CONFERENCE ON "ADVANCED MATERIALS FOR SOLVING BIOMEDICAL AND ECOLOGICAL PROBLEMS" IS BEING HELD UNDER THE ORGANIZATION OF BSU AND ICESCO

Baku State University hosted an international conference on "Advanced Materials for Solving Biomedical and Ecological Problems" alongside the opening of the "I BSU School on Green and Sustainable Science and Education," marking BSU's 105th anniversary and the "Year of Solidarity for a Green World," in partnership with ICESCO. Rector Elchin Babayev highlighted BSU's role in scientific research, international collaboration, and the integration of biomedical materials research with ecological and health solutions. Speakers from Azerbaijan, Turkey, Kazakhstan, and Bulgaria emphasized the importance of global cooperation, student involvement, and addressing climate, ecological, and biomedical challenges. Plenary sessions featured presentations on drug resistance in cancer and the ICESCO Biomedical Materials Department's research, with further discussions continuing in smaller groups.



TRAINING FOR BAKU STATE UNIVERSITY STUDENTS: "PRACTICAL EXPERIENCE AND ETHICAL APPROACH IN PSYCHOLOGY"

Baku State University's Career and Alumni Affairs Center organized a training on "Practical Experience and Ethical Approach in Psychology" for students of the Psychology and Social Psychology Services in Education programs. Psychologist Afag Mammadova discussed key components of practical experience, challenges for new psychologists, and ethical principles such as confidentiality, competence, and respect, while addressing students' questions at the session's conclusion.



A "YOUTH TO BUSINESS FORUM" HAS BEEN HELD AT BAKU STATE UNIVERSITY (BSU)

Baku State University, in collaboration with AIESEC and supported by BDU Volunteers, hosted a "Youth to Business Forum" on Sustainable Development Goals. The forum featured presentations on personal finance, investment strategies, startup development, agile project implementation, stock trading, and international experience, with speakers sharing practical advice and



experiences. The event concluded with a panel discussion on investment culture, financial literacy, and the role of youth in professional development.

OPENING CEREMONY OF THE "I BSU SCHOOL ON GREEN AND SUSTAINABLE SCIENCE AND EDUCATION"

Baku State University, in partnership with ICESCO and the Erasmus+ Jean Monnet Module project, held the opening ceremony of the "I BSU School on Green and Sustainable Science and Education," marking BSU's 105th anniversary and the "Year of Solidarity for a Green World." The school provides an inclusive platform for knowledge exchange on green skills and innovative technologies, covering topics such as nanotechnology, sustainable agriculture, drug design, and ecological safety, to support the achievement of Sustainable Development Goals.



BSU TEACHERS DELIVERED A LECTURE AT THE SCIENTIFIC-EDUCATIONAL CENTER OF THE PROSECUTOR GENERAL OFFICE

BSU psychologists Azer Mustafayev and Yaman Valiyeva lectured 2024 prosecution candidates on criminal motivation and the psychological foundations of investigations, highlighting key behavioral and professional aspects, followed by a Q&A session.



http://sdg.bsu.edu.az/

4 QUALITY EDUCATION

KEY FINDINGS

Rich Academic Resources

BSU offers an array of academic facilities, including well-equipped libraries, TV and radio studios, museums, and scientific research centers, which contribute to a diverse and enriching educational environment.

International Collaboration

The university's Scientific Library maintains connections with both national and international academic institutions, enhancing access to global knowledge resources.

Multilingual Education

BSU operates a TV channel in Azerbaijani, English, and Russian, ensuring that educational content is accessible to a broad and diverse audience.

Educational Outreach

The university actively engages in educational outreach by organizing lectures, master classes, and public events, creating opportunities for knowledge dissemination and intellectual discourse.

Volunteerism

- The "BSU Volunteers" organization demonstrates BSU's commitment to social engagement, with around 1000 student volunteers actively participating in social and cultural projects.

Collaboration with External Institutions

- BSU collaborates with external institutions, such as the "Young Talents" lyceum and public schools, to share knowledge and contribute to educational development beyond its campus.

Inclusivity and Diversity

- The university upholds policies against harassment and discrimination, ensuring that its educational programs are accessible and open to all, regardless of factors such as ethnicity, religion, disability, immigration status, or gender.

Room for Improvement

- While BSU excels in various aspects of quality education and community engagement, the absence of executive education programs or vocational training for non-university attendees is a notable gap

Future goals



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4 QUALITY EDUCATION

RANKING RESULTS

4 QUALITY EDUCATION

QUALIFYING SDG - 26% OF OVERALL

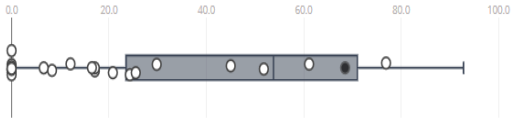
SCORE 79.1 RANK 46 out of 1975 institutions



SCORE 68.5

Research on early years and lifelong learning education

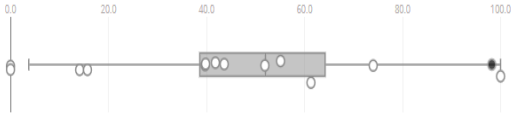
27% OF THIS SDG



SCORE 98.2

Quality education: paper views

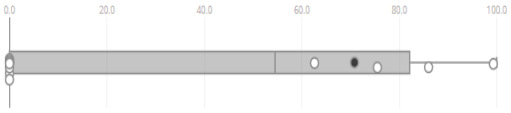
10% OF THIS SDG



SCORE 70.8

Quality education: CiteScore

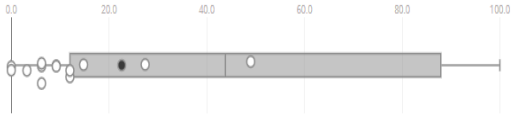
10% OF THIS SDG



SCORE 22.6

Quality education: publications

7% OF THIS SDG



http://sdg.bsu.edu.az/

4 QUALITY EDUCATION

THE IMPACT RANKINGS

OVERALL RANK

401–600 out of **2318** institutions

4 QUALITY EDUCATION

QUALIFYING SDG - 26% OF OVERALL

SCORE **79.1**

RANK **46** out of **1975** institutions



UI GreenMetric World University Rankings

3. WORLD RANKINGS HISTORY



Figure 3.1 World Rankings History Diagram

4. RANKING IN AZERBAIJAN



http://sdg.bsu.edu.az/

4 QUALITY EDUCATION

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
41.19%

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%

MEMBERSHIPS:

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

ISCN
International Sustainable Campus Network

CANiE
climate action network

GUNi
GLOBAL UNIVERSITY NETWORK FOR INNOVATION

Research

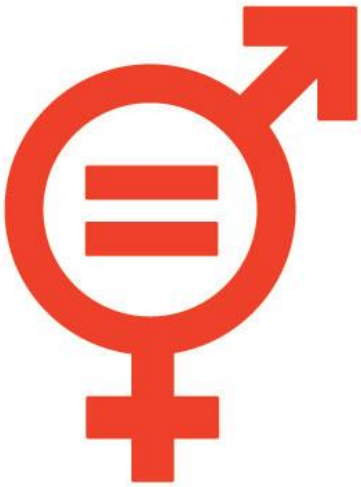
SDG contributions

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

2024 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.

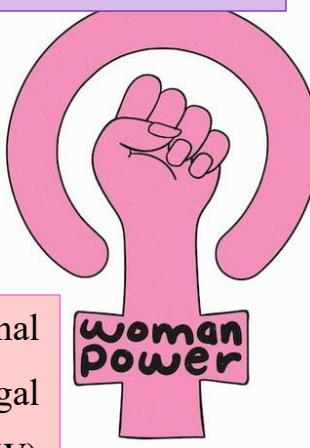


COLLABORATIONS



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 action plan of Student Led Society Policy there is the next point: Entails the implementation of a program no later than 2024, which seeks to augment the accessibility of financial assistance for students from socioeconomically disadvantaged backgrounds. The objective is to achieve a notable 30% rise in the number of beneficiaries by the year 2026.

In accommodation policy, there is a point that students and employees who receive an assignment for a dormitory room must typically submit payment for housing fees within a specified period to secure their spot in the dormitory. However, it's important to note that Baku State University has policies in place to provide exceptions or financial assistance to students and employees from socially vulnerable groups. These policies are often designed to ensure that housing remains accessible to a diverse range of people, regardless of their financial circumstances. According to the decision made by the University Scientific Council in 2019, the University covers some part of the fee (about 35%) and therefore fee level stays unchanged from 2019.



Since 2018, the Department of Gender and Applied Psychology has been engaged in developing the program in this regard. This program is intended for the faculty of Social Science and Psychology of BSU, but the program can be applied in other faculties, and improvement of mentorship programs is also envisaged in the Action Plan on SDG 5 See the action plan for Policy on equality, diversity, and inclusion:

- ✓ To establish several mentoring and coaching programs for creating professional growth.

According to the department organization of measured continuously. The number of female graduates exceeds the number of male graduates. (Approximately 65 percent female graduates, 35 percent male graduates).



Reporting discrimination from educational or employment disadvantages is being discussed with the State Examination Centre, the Ministry of Labor and Social Protection of the Population, and the Ombudsman's Office. On the other hand, a lawyer officially works at BSU. Preventing gender-

based discrimination is based on the articles of the Law of the Republic of Azerbaijan "On Guarantees of Gender Equality (Women and Men)" adopted in 2006.

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.





BAKU STATE UNIVERSITY INTRODUCES MANDATORY ANNUAL TRAINING ON SOCIAL SUSTAINABILITY





Baku State University has launched a mandatory annual training program focused on the social aspects of sustainability, aiming to create a more inclusive, ethical, and socially responsible academic environment. Covering key topics such as diversity, equity and inclusion (DEI), social justice, community engagement, and well-being, the program is delivered through a mix of online modules, interactive workshops, and case-based discussions. Completion is required for all students, faculty, and staff, with progress monitored by the Quality Assurance Office and certificates awarded to successful participants

OPEN DIALOGUE ON "GENDER ISSUES IN AZERBAIJAN" AT BSU



The "Sustainable Development Goals" club under the "BSU Volunteers" organization held an open dialogue on "Gender Equality in Azerbaijan," where participants explored the concept of gender in modern society and its societal impact. The discussion highlighted ongoing reforms in Azerbaijan aimed at promoting civic engagement and empowering women, rooted in the policies of national leader Heydar Aliyev. Participants referenced the national law "On Guarantees of Gender (Men and Women) Equality" and related legal frameworks. The dialogue emphasized that gender equality is the fifth of the UN's 17 Sustainable Development Goals, with countries working toward full achievement by 2030. Students actively shared diverse opinions, fostering an open and engaging exchange of ideas.







TRAINING ON THE RISKS OF EARLY MARRIAGE FOR BSU STUDENTS



A training session on the complications of early marriage, led by Zumrud Alizadeh, a lecturer at the UNESCO Department of Human Rights and Information Law, was jointly organized by members of the Social Sciences and Psychology Faculty, the "BSU Volunteers" organization, and the "De Novo" club. The session addressed the multifaceted legal, social, and psychological dimensions of early marriage, referencing Article 10 of the Family Code, which sets the legal marriage age at 18, with limited exceptions. Key topics included the physical and mental unpreparedness of young individuals for marital life, resulting in long-term consequences such as domestic violence, maternal and infant mortality, and emotional distress. The discussion also highlighted the cycle of harm perpetuated by early marriage, especially in socioeconomically disadvantaged families, where young mothers may be unable to provide adequate care for their children. The event concluded with an interactive dialogue, allowing students to explore preventative strategies and legal reforms aimed at mitigating the prevalence and impact of early marriage.



SESSION ON "THE CONSEQUENCES OF EARLY MARRIAGE" FOR BSU



An informational session titled “The Consequences of Early Marriage” was organized by members of the "BDU Volunteers" organization from the Faculty of Social Sciences and Psychology. The session highlighted early marriage as one of the most critical social challenges of contemporary society. It was noted that, under current legislation, marriages under the age of 18 are considered illegal, as individuals at this age are not physiologically or psychologically prepared for marital responsibilities. The discussion addressed the severe consequences of early marriage, including domestic violence, increased maternal and infant mortality rates, and long-term physical and mental health issues. Participants were also informed about recent amendments to the Family Code, Criminal Code, and Code of Administrative Offenses aimed at curbing early marriages. The session concluded with the screening of a short educational film, reinforcing the key messages presented.









BSU TEACHERS DELIVERED A LECTURE AT THE SCIENTIFIC-EDUCATIONAL CENTER OF THE PROSECUTOR GENERAL OFFICE



Teachers from the Department of Psychology at the Faculty of Social Sciences and Psychology of Baku State University (BSU), Azer Mustafayev and Yaman Valiyeva, delivered lectures at the Scientific-Educational Center of the Prosecutor General's Office of the Republic of Azerbaijan for candidates who successfully passed the 2024 recruitment competition for positions within the prosecution authorities. Azer Mustafayev's lecture, titled "The Motivation of Criminals," offered a scientific analysis of criminal behavior, considering factors such as age characteristics, psychological development, gender socialization, and pathological influences, supported by practical examples. Yaman Valiyeva, in her lecture on "The Psychological Foundations of Preliminary Investigation," examined the psychological dimensions of investigative work, emphasizing the need for professional reasoning, psychological competence, and the ability to influence the mindset of individuals being interrogated. The session concluded with an interactive discussion, during which participants shared their views and received detailed responses to their questions.

GENDER PAY GAP

Baku State University (BSU) is committed to fostering a workplace that values equality and diversity. This report outlines the gender pay gap findings for 2024 and highlights steps the university is taking to promote fairness and inclusivity in pay structures.

SCOPE AND METHODOLOGY

- Reporting Period: January–December 2024.
- Data Source: University payroll data covering academic and administrative staff.

METRICS

- **Mean Pay Gap**: Average pay difference between male and female employees.
- **Median Pay Gap:** Pay difference at the midpoint of the salary distribution.
- **Pay Quartile Distribution:** Representation of men and women across pay bands.

SUMMARY OF FINDINGS

1. Overall, Gender Pay Gap

- Mean Gender Pay Gap: 5% (men earn more on average).
- Median Gender Pay Gap: 3% (men earn more at the midpoint).

2. Pay Quartiles

Pay Quartile	Percentage of Men	Percentage of Women
Upper Quartile	55%	45%
Upper Middle Quartile	50%	50%
Lower Middle Quartile	48%	52%

Lower Quartile	45%	55%

3. PROPORTION RECEIVING BONUSES

- Men: 22%
- Women: 20%

4. REPRESENTATION IN LEADERSHIP ROLES

- Senior Academic Leadership (e.g., Deans, Professors):
  - Men: 52%
  - Women: 48%
- Administrative Leadership (e.g., Department Heads):
  - Men: 54%
  - Women: 46%

ANALYSIS AND CONTEXT

Key Observations

- The pay gap is minimal, reflecting progress toward equitable compensation practices.
- Women are slightly underrepresented in the highest pay quartile but evenly distributed across middle and lower pay bands.
- Bonus distribution is almost equal, suggesting fairness in performance-based rewards.

CONTEXT

- BSU's gender pay gap is below the global average for academic institutions, which ranges between 10–15%.
- Gender balance in leadership roles reflects efforts to promote equity in senior positions.

CONCLUSION

Based on the information provided regarding Baku State University's efforts and policies related to Sustainable Development Goal (SDG) 5 on gender equality, the key findings are as follows:



Data Collection and Monitoring:	The university is actively engaged in collecting and monitoring data regarding the enrollment, progress, and representation of female students, particularly first-generation students.
Policy and Awareness:	Baku State University established a comprehensive policy on equality, diversity, and inclusion (EDI) in 2020, promoting equal rights and awareness against discrimination and injustice.
Student Access and Support:	The university implements mentoring and coaching programs to support the professional growth of

	female students and offers scholarships based on merit.
Collaboration and Outreach:	Baku State University collaborates with various organizations, including universities, government bodies, and NGOs, to encourage applications by women in subjects where they are underrepresented.
Representation in Academia:	The university is actively working to increase the representation of women, particularly in senior academic positions.
Non-Discrimination Policies:	The university has policies in place to protect individuals reporting discrimination and harassment and fosters an environment of non-discrimination.
Gender-Disaggregated Graduation Rates:	The university tracks and reports graduation rates by gender, ensuring transparency and equity in educational outcomes.
Parental Support Policies:	Baku State University has policies to support recent mothers and ensure their participation in academic activities.

These findings collectively showcase Baku State University's commitment to gender equality, its proactive measures to support and empower female students, and its dedication to fostering an inclusive and non-discriminatory academic environment.

RANKING RESULTS

OVERALL RANK

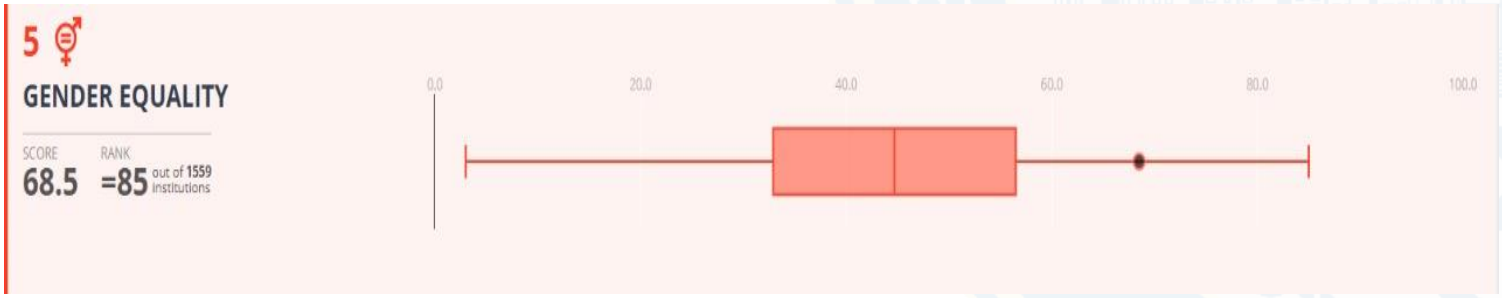
401–600 out of **2318** institutions

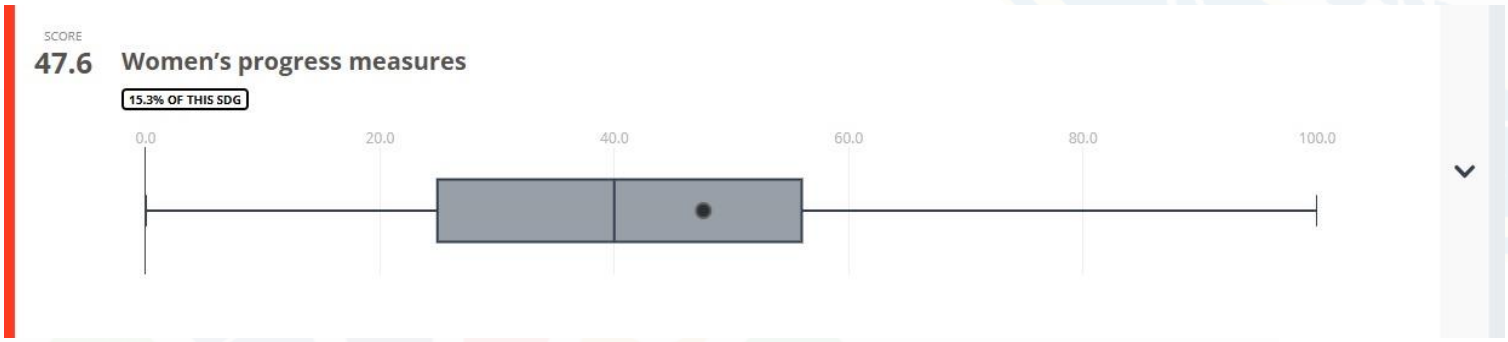
5 GENDER EQUALITY

SCORE **68.5** RANK **=85** out of **1559** institutions

THE IMPACT RANKINGS







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5 GENDER EQUALITY

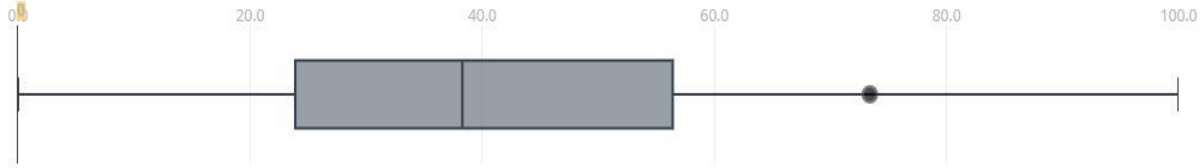
SCORE
78.7 **Proportion of senior female academics**

15.4% OF THIS SDG



SCORE
73.4 **Student access measures**

15.4% OF THIS SDG



SCORE
60.1 **Research on gender equality**

27% OF THIS SDG



SCORE
73.0 **Proportion of first-generation female students**

15.4% OF THIS SDG



SCORE
89.6 Proportion of women receiving degrees

11.5% OF THIS SDG



MEMBERSHIPS:

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

ISCN
International Sustainable Campus Network

CANiE
climate action network

GUNI
GLOBAL UNIVERSITY NETWORK FOR INNOVATION

http://sdg.bsu.edu.az/

5 GENDER EQUALITY

Research

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
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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		

FUTURE GOALS

Based on the initiatives mentioned, potential future goals for the university in promoting gender equality could include the following:



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Baku State University

2024 REPORT ON

6 CLEAN WATER AND SANITATION



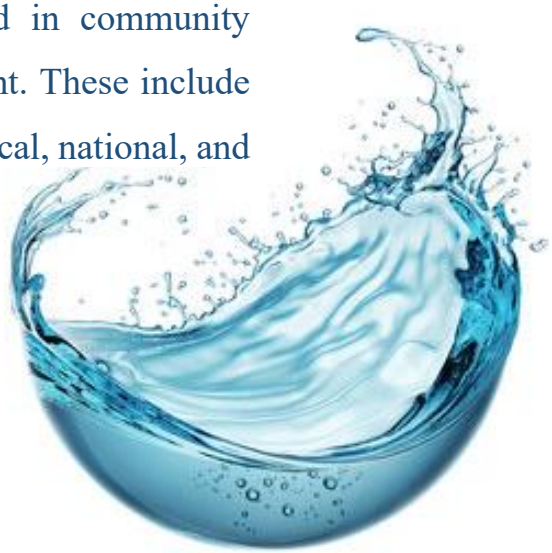
INTRODUCTION

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, our university's policies, practices, and future initiatives have been assessed.



The report reveals that the university has a rigorous approach to water consumption, tracking the total volume of water used and employing water meters for monthly consumption measurement. It also highlights the measures taken to treat wastewater for plant irrigation and the use of sustainable landscape practices, such as drought-tolerant plants and drip irrigation.

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 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.

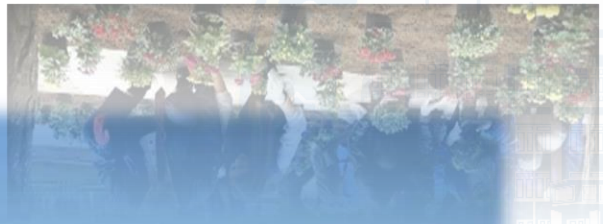
There are 2,500 trees and 1,000 m of bushes in the campus area of the university. Drought-tolerant plants dominate, Eldar tree, plane tree, olive tree, mulberry tree, saphora tree, blueberry, etc. Along with woody plants, shrub plants are also drought tolerant. Some of the other trees are drought tolerant. 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.













On May 30, 2023, the Ministry of Emergencies Ministry's Small Vessel Control and Water Rescue State Service held consultations on "Ensuring safety in water bodies" in Sabunchu and Khazar districts of Baku.



With the joint organization of the Ministry of Ecology and Natural Resources and the Sabirabad District Executive Authority, an educational event was held on May 12 in the city of Sabirabad on "Ensuring economical use of water in household and agriculture".



An educational event was held on "Problems of Water Basin Pollution"



Based on the Decree of the President of the Republic of Azerbaijan Ilham Aliyev dated September 29, 2022, within the framework of the measures to declare 2023 the "Year of Heydar Aliyev" in our country, with the organization of the State Water Resources Agency of Azerbaijan, on the topic "The development of the water sector of Azerbaijan is connected with the name of the national leader Heydar Aliyev" a scientific-practical conference was held.



On June 29, 2022, "Promoting partnership and activity in sustainable management of water resources" organized by the Ministry of Ecology and Natural Resources, with the support of the Food and Agriculture Organization of the United Nations and the Karabakh Revival Fund, in the "Smart village" residential area in the village of Agali, Zangilan district.



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

The vice-rector of BSU Mr Farda İmanov is the chairperson of the intergovernmental Hydrological Programme (IHP) National Committee of Azerbaijan.



HEALTHY LIFESTYLE TRAINING WAS HELD AT BSU



Baku State University's Student Youth Organization, in collaboration with the Center for Public Health and Reforms, conducted a training session entitled *"Healthy Lifestyle."* During the event, Zumrud Kazimova, a representative of the Center, emphasized that ensuring the healthy development of the younger generation and preventing harmful habits such as smoking, alcohol consumption, and drug use had been among the key priorities. She highlighted that physical education played a crucial role in fostering a healthy lifestyle and that eliminating detrimental daily habits was essential, as such practices negatively affected metabolism and overall growth. The session also introduced students to the principles of a balanced daily routine and concluded with an interactive discussion in which their questions were addressed.





PROJECT "SAP HYDROGEL BASED SMART IRRIGATION SYSTEM" BY BSU EMPLOYEE BECAME THE WINNER OF BAKU WATER WEEK

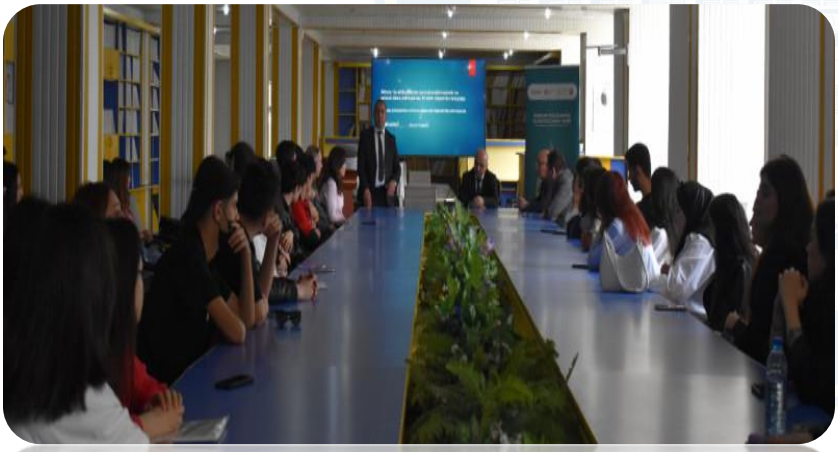


The *"SAP Hydrogel-Based Smart Irrigation System"* project, developed by Ilyas Nasibov, Director of the Student Scientific and Technical Creativity Center of Baku State University, was recognized as one of the three winning startups at the International Exhibition and Conference *Baku Water Week.* The system, built on IoT principles, was designed for



application in cultivated fields and greenhouses to optimize water usage by enabling localized irrigation based on soil moisture levels. By incorporating hydrogels, the technology sustained adequate soil moisture for extended periods, while a mobile application allowed entrepreneurs to monitor and control key environmental and agricultural parameters, including temperature, relative humidity, CO_2 concentration, atmospheric pressure, soil moisture, mineral composition, and photosynthetically active radiation.

THE STATE WATER RESOURCES AGENCY OF AZERBAIJAN ORGANIZED A TRAINING SESSION TITLED: THE IMPACT OF CLIMATE CHANGES ON WATER RESOURCES AT BSU



The Faculty of Ecology and Soil Science at Baku State University, in collaboration with the Water and Reclamation Scientific Research Institute of the Azerbaijan State Water Resources Agency, organized a training session on *"The Impact of Climate Change on Water Resources."* The event emphasized the significance of Azerbaijan hosting COP29 and highlighted the agency's activities in water extraction, processing, supply, reclamation, irrigation, and management. Presentations covered the role of digital technologies, particularly the SCADA system, in monitoring and managing water resources, as well as the effects of climate change on water systems and aquatic life.

The session concluded with a Q&A segment, during which students' questions were addressed and active participants were awarded gifts.

BSU DISCUSSES THE IMPACT OF GLOBAL WARMING ON NATURAL WATER RESOURCES



At the Faculty of Biology of Baku State University, a seminar titled *"The Effect of Global Warming on Natural Water Resources"* was delivered by Professor Farayat Ahmadova from the Department of Molecular Biology and Biotechnologies. She emphasized that climate change-induced droughts had intensified water scarcity in Azerbaijan, further aggravated by rising demand, drying tributaries, wastage, and improper usage.



Professor Ahmadova also discussed the harmful effects of untreated industrial and hospital wastewater on rivers and the sea, while highlighting the ecological and therapeutic significance of Azerbaijan's thermal waters, as well as their potential as an alternative energy source. She noted the

presence of unique microorganisms in cold and high-temperature waters, capable of influencing water quality and producing valuable metabolic substances. The seminar concluded with a call for greater educational efforts to promote awareness of water's vital role, the need for effective resource management, and the health risks posed by wastewater pollution.

BSU'S STUDENTS ENGAGE IN THE FIELD EXPERIENCE IN LANKARAN AND GUBA



Fourth-year students from the Faculty of Biology at Baku State University, specializing in Biology, Water Bioresources, and Aquaculture, participated in a comprehensive field study in the Guba and Lankaran regions. Biology students engaged in practical training on species identification, ecosystem analysis, and herbarium preparation, with particular focus on Red Book-listed species and the unique flora of Hirkan National Park. Simultaneously, Water Bioresources and Aquaculture students gained hands-on experience studying freshwater otters, fish species of the Caspian Sea and local rivers, and conducted laboratory analyses of water and algae samples, thereby enhancing their theoretical knowledge with practical fieldwork.







NEW SPECIALIZATION AT BSU: ENVIRONMENTAL ENGINEERING

Beginning from the new academic year, Baku State University introduced a bachelor's program in *Environmental Engineering* at the Faculty of Ecology and Soil Science. The program provided students with expertise in environmental protection, water treatment, soil reclamation, waste recycling, ecological design, GIS applications, and aerospace technologies, while also covering methods for pollution control, hazard management, and risk assessment. Graduates were prepared for careers across sectors such as environmental protection, transportation, energy, oil and gas, chemical industries, agriculture, and aerospace research, gaining practical experience through internships at BSU and key national institutions including the Ministry of Ecology and Natural Resources, the National Aerospace Agency, and "Azercosmos" OJSC.



STUDENT ADMISSION ANNOUNCEMENT FOR BSU'S FACULTY OF ECOLOGY AND SOIL SCIENCE



Baku State University's Faculty of Ecology and Soil Science offered student admission in three main fields of study and operated five departments, including Ecological Chemistry, Geographic Ecology, Bioecology, Soil Science and Real Estate Cadastre, and Safety of Life Activities. Students and postgraduates conducted research at the Ecological Chemistry and Environmental Protection Research Laboratory within the university's Research, Development, and Innovation Excellence Center. Undergraduate programs in Ecology, Ecological Engineering, Soil Science and Agrochemistry, and Land Management and Real Estate Cadastre prepared graduates for careers in state institutions such as the Ministries of Ecology and Natural Resources, Agriculture, Emergency Situations, SOCAR, BP, the Food Safety Agency, and various private organizations, with instruction offered in Azerbaijani, Russian, and English.

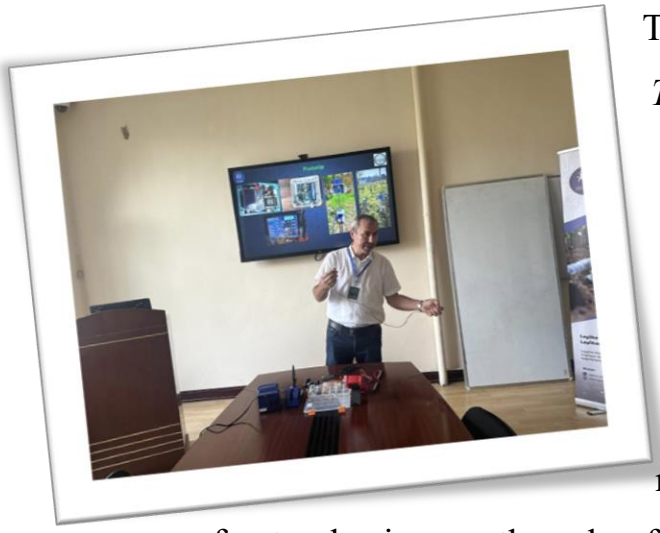


WITH THE CO-ORGANIZATION OF BAKU STATE UNIVERSITY (BSU), THE II INTERNATIONAL CONFERENCE ON "CONSERVATION OF EURASIAN BIODIVERSITY" WAS HELD IN IZMIR

In Izmir, Turkey, the II International Conference on *"Conservation of Eurasian Biodiversity"* was jointly organized by Ege University, Baku State University, Andijan State University of Uzbekistan, and Osh State University of Kyrgyzstan. The event featured 110 presentations from four countries and addressed key challenges and solutions in biodiversity conservation, covering topics such as aquatic ecosystem monitoring, genetic biodiversity, plant resistance to viruses, the impact of anthropogenic factors, and strategies for protecting rare species. Professor Afet Mammadova, Dean of the Faculty of Biology at BSU, delivered an invited lecture on *"Bioindication and Management of the Environment Using Plants,"* while 23 other Azerbaijani scholars also contributed to the conference.



THE NEXT TRAINING OF THE "SMART AGRO TECHNOLOGY" PROJECT HAS BEEN HELD AT BSU



The second training of the *"Smart Agro Technology"* project, funded by the Youth Foundation of the Republic of Azerbaijan, was held at Baku State University, focusing on the development of a field station for the prototype of a smart irrigation system. During the event, BSU representatives emphasized the significance of natural sciences, the role of food security in national security, and the need to advance agriculture through modern technologies, particularly efficient irrigation methods in water-scarce regions like Azerbaijan. The session included presentations on project tasks, discussions of shortcomings in existing irrigation systems, and practical exercises carried out by participants.





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) began as a preparatory event for COP-29, organized in collaboration with the London Climate Action Week, and continued until October 4. As part of the program, Baku State University hosted a scientific conference on *"Accelerating Research and Collaboration for Climate Action"* on October 4 at the JW Marriott hotel. The conference addressed key themes including the role of artificial intelligence and advanced analytical tools in climate modeling, the impact of climate change on transboundary water management, new international cooperation mechanisms, the use of empirical data and innovative technologies, and the socio-economic consequences of climate change. Bringing together experts and stakeholders, the event provided a platform for advancing scientific research, policy discussions, and collaborative initiatives, serving as a significant step in Azerbaijan's preparations for COP-29.







AN INTERNATIONAL SCIENTIFIC CONFERENCE HAS BEEN HELD ORGANIZED BY BSU AS PART OF BAKU CLIMATE ACTION WEEK





An international scientific conference on *"Accelerating Research and Collaboration for Climate Action"* was held within the framework of Baku Climate Action Week, organized by Baku State University (BSU). The event brought together leading scientists, policymakers, and climate experts from various countries to discuss the scientific and practical aspects of climate change. Opening the conference, BSU Rector Elchin Babayev stressed the importance of advancing global cooperation, empirical research, and scientific solutions in addressing climate challenges, noting Azerbaijan's upcoming role as host of COP29. High-level officials, including representatives of the National Assembly, the Ministry of Science and Education, the National Academy of Sciences of Azerbaijan, and COP29 climate champions, underlined the importance of education, green skills, renewable energy, and international collaboration in combating climate change.





The conference featured scientific sessions on greenhouse gas emissions, artificial intelligence applications in climate modeling, transboundary water management, and global cooperation mechanisms. Discussions emphasized the necessity of empirical data and advanced analytical tools for more accurate climate predictions and effective policymaking, while highlighting the socio-economic consequences of climate change, such as impacts on economic growth, poverty, migration, food security, and employment. Practical proposals were presented for the sustainable management of shared water resources, the implementation of innovative technologies including carbon capture and renewable energy, and the strengthening of international agreements to achieve common climate goals. The conference concluded by reinforcing the urgency of coordinated global action and the vital role of research, education, and cooperation in shaping effective responses to climate change.

SCIENTIFIC SEMINAR ON "E-IRRIGATION" AT BSU

A scientific seminar on "E-Irrigation," dedicated to the "Year of Solidarity for a Green World," was held at the Institute of Physics Problems at Baku State University (BSU), where the director, Sadiyar Rahimov, highlighted that the project, led by senior researcher Elshan Nasirov with doctoral student Sara Rahimzadeh, won third place at the TEKNOFEST-2024 Aerospace and Technology Festival; Nasirov emphasized that the innovative system, designed for automatic irrigation, fertilization, and soil monitoring through robotic technology and artificial intelligence, used field stations equipped with sensors to measure soil conditions and transmit data to a central station, which analyzed the information to optimize irrigation decisions, while farmers could monitor and manage the process via a mobile application, thereby reducing labor needs and enhancing crop productivity.







THE PROJECT "GREEN DIALOGUE: INNOVATION AND INTERNATIONAL COOPERATION PLATFORM" HAS STARTED IN COLLABORATION WITH BSU



The "Green Dialogue: Innovation and International Cooperation Platform" project, launched within the framework of COP29 in collaboration with the State Support Agency for NGOs of Azerbaijan, Baku State University (BSU), the Public Union for the Progress of Karabakh, and the African Youth Development Foundation, aimed to address ecological challenges and promote sustainable development; on November 16, a discussion panel in the Green Zone brought together international experts to discuss sustainable development, climate education, methane management, CO_2 capture, and green logistics, while the project also established the "Green Dialogue Forum" to serve as an annual platform for government, private sector, and academia to strengthen awareness and cooperation in tackling issues such as water scarcity, soil salinization, and forest resource depletion.

DISCUSSION PANEL OF THE "GREEN DIALOGUE: INNOVATION AND INTERNATIONAL COOPERATION PLATFORM" PROJECT

As part of COP29, the "Green Dialogue: Innovation and International Cooperation Platform" project, jointly organized by the State Support Agency for NGOs of Azerbaijan, Baku State University (BSU), the Public Union for the Development of Karabakh, and the African Youth Development Fund, held its next discussion panel in the Green Zone, moderated by Sənan Ağayev; the session featured presentations by Professor Tunji Asaolu on building a sustainable future, Liya Bayramova on climate education for children, and Asiman İlyasov on the role of quality assurance and university rankings in achieving the SDGs, with the project's broader aim being to enhance public awareness and international cooperation on ecological issues such as water scarcity, soil salinization, and deforestation, while establishing the "Green Dialogue Forum" as an annual platform for dialogue among government, academia, and the private sector.



THE "IRRIGO – SUSTAINABLE RURAL AGRICULTURE ECOSYSTEM," DEVELOPED AT BSUS STUDENT SCIENTIFIC AND TECHNICAL CREATIVITY CENTER, WAS PRESENTED AT COP29



Baku State University's (BSU) "BSU Creativity Workz" team successfully showcased its innovative "Irrigo" smart irrigation system at the "Green Tech Karabakh" project during COP29, presenting a next-generation agro-technological model designed to minimize freshwater use, purify unsuitable waters from pollutants for reuse, and create a closed-loop ecosystem; the system's advanced features, including remote control and weather-based synchronization, highlighted its potential for resource optimization, cost reduction, and ecosystem preservation, drawing strong interest from international participants.

A REPUBLICAN SCIENTIFIC CONFERENCE ON THE TOPIC "MODERN PROBLEMS OF ECOLOGICAL CHEMISTRY AND ENVIRONMENTAL PROTECTION" IS BEING HELD AT BSU

A Republican Scientific Conference on *"Modern Problems of Ecological Chemistry and Environmental Protection"* was held at Baku State University (BSU) to mark the university's 105th anniversary and the 20th anniversary of its Department of Ecological Chemistry, bringing together leading scholars and policymakers to discuss Azerbaijan's growing role in global energy security, climate action, and the transition to a green economy. In his opening speech, Rector Elchin Babayev highlighted BSU's expanding research and educational initiatives in ecology, climate change, and green technologies, while speakers reviewed the department's two decades of contributions to ecological chemistry, environmental protection, and scientific innovation, including patents, international projects, and studies on Karabakh, Eastern Zangezur, and Absheron. Academicians from ANAS and leading institutes praised the department's achievements in ecological literacy and green education, and the conference continued with nine thematic sections featuring more than 170 selected research papers.





AS PART OF THE 105TH ANNIVERSARY OF BAKU STATE UNIVERSITY, THE FACULTY OF ECOLOGY AND SOIL SCIENCE PRESENTED: THE GREEN THINKING SPACE



As part of Baku State University's (BSU) 105th anniversary, the Faculty of Ecology and Soil Science held a presentation titled *"The Green Thinking Space,"* highlighting its role in advancing ecological education, research, and specialist training. Vice-Rector Farda Imanov underscored the faculty's growing contributions to addressing global environmental challenges, while Dean Akif Aghbabali reviewed its history, development, and current academic capacity, noting its involvement in ecological monitoring, resource management, and restoration projects in liberated territories. Professors Sevinj Hajiyeva and Shovgi Goychayli emphasized the faculty's importance in national ecological initiatives and the visionary policies fostering environmental protection and specialist training, with the event concluding with a student-prepared literary and artistic performance.

CONCLUSION

The key findings from the provided information on Baku State University's water management and sustainability initiatives are as follows:

Water Source and Quality	The university sources its drinking water from the Jeyranbatan reservoir, which undergoes proper cleaning and meets certain quality standards. Water is not suitable for direct consumption due to soil particles and undergoes mechanical cleaning through filters before reaching the tap.
Water Conservation	Efforts are underway to clean and reuse water waste for plant irrigation. Rainwater harvesting is in place to collect rainwater from the roof for plant watering.
Groundwater and Future Plans	Despite high groundwater levels in the area, it cannot be directly used due to salt content. Plans to install cleaning devices and filters for groundwater are in progress.
Landscape and Water Conservation	The university's campus features drought-tolerant plants, reducing water consumption for landscaping. The use of

	drip irrigation is planned to further reduce water use for plant watering.
Water Reuse Initiatives	The university is investigating methods to maximize water reuse. Potential installation of devices for water reuse and associated cleaning processes is being considered.
Community Education	The university actively engages in community education initiatives related to water management, including seminars, conferences, and collaborations with various organizations.
Awareness and Academic Contributions	The university promotes conscious water usage through informative posters on and off-campus. Academic staff contribute to water-related research and publications, enhancing understanding of water conservation.
Government Collaboration	The university collaborates with governments on water security, as evidenced by the Vice-Rector's role as Chairperson of the Intergovernmental Hydrological Program (IHP) National Committee of Azerbaijan.

These findings highlight the university's commitment to sustainable water management, including responsible water sourcing, conservation, community education, and academic research. The university also plays an active role in collaborating with governmental bodies to address water-related challenges at local, national, and global levels. However, ongoing efforts and further developments are being pursued to enhance sustainability and meet Clean Water and Sanitation (SDG 6) goals.

FUTURE GOALS

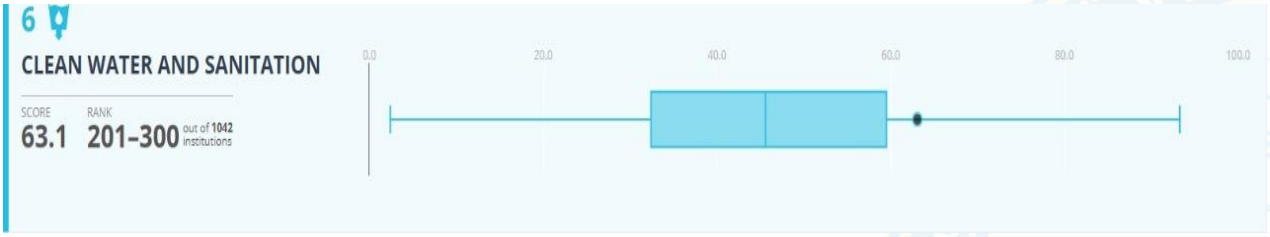


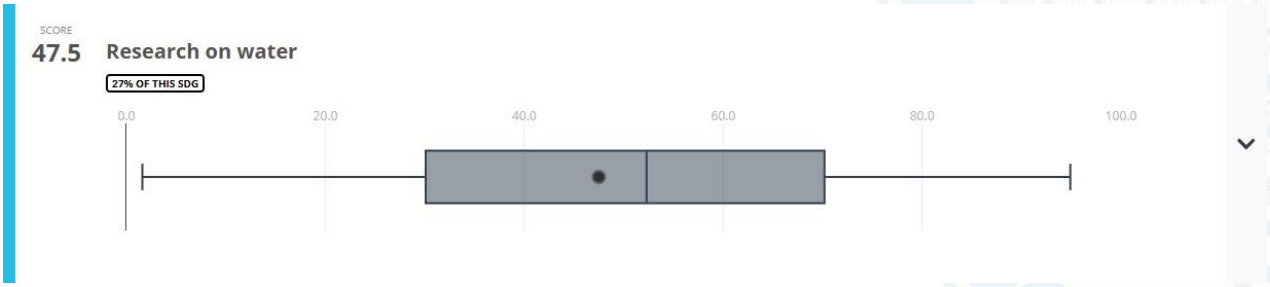
To further advance sustainability in water management and align with Clean Water and Sanitation (SDG 6) goals, Baku State University can consider the following future steps:



By taking these future steps, Baku State University can further its commitment to sustainable water management, minimize its environmental impact, and contribute to the achievement of SDG 6 while setting an example for the wider community and the education sector.

RANKING RESULTS









http://sdg.bsu.edu.az/

6 CLEAN WATER AND SANITATION

SCORE
78.3 Water in the community

19% OF THIS SDG



SCORE
86.6 Water usage and care

23% OF THIS SDG



THE IMPACT RANKINGS

OVERALL RANK

401–600 out of **2318** institutions

6 CLEAN WATER AND SANITATION

SCORE **63.1**

RANK **201–300** out of **1042** institutions

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 World University Rankings

3. WORLD RANKINGS HISTORY



Figure 3.1 World Rankings History Diagram

4. RANKING IN AZERBAIJAN



http://sdg.bsu.edu.az/

6 CLEAN WATER AND SANITATION

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
41.19%

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%

MEMBERSHIPS:

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

ISCN
International Sustainable Campus Network

CANiE
climate action network

GUNI
GLOBAL UNIVERSITY NETWORK FOR INNOVATION

Research

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

2024 REPORT ON

7 AFFORDABLE AND CLEAN ENERGY



INTRODUCTION



Baku State University (BSU) is dedicated to achieving Sustainable Development Goal 7 (SDG 7) by prioritizing affordable and clean energy practices. The university has transitioned to clean and sustainable heating systems, installed solar panels, and established a Sustainable Procurement Policy (SPP) emphasizing environmentally responsible procurement. BSU is committed to reducing greenhouse gas emissions and promoting renewable energy sources. It integrates sustainability into academic programs and encourages student involvement in climate action. The university collaborates with government bodies and envisions active participation in international climate initiatives by 2030. BSU's holistic approach exemplifies its dedication to a sustainable and environmentally responsible future.

AFFORDABLE AND CLEAN ENERGY (SDG 7)



To achieve high energy efficiency, Baku State University's Sustainable Procurement Policy on this issue was also included. The heating system in BSU buildings was switched to clean and sustainable heating. Daylight-saving bulbs are lighting systems used in buildings. One solar panel was installed in BSU. It is planning to install more solar panels on the campus for sustainability.

The Sustainable Procurement Policy is planned to achieve high energy efficiency with the materials and insulation methods that will be used in the reconstruction and repair plans.



Additionally, the scope of the Climate Action Policy for BSU describes the areas and activities within the university covered by the policy. It defines the boundaries and focus of policy implementation. Some key elements of a policy framework are:



- ✓ Campus Operations: The policy covers all aspects of BSU's campus operations, including energy use, transportation, waste management, water conservation, building design and construction, and the maintenance of green spaces.
- ✓ Academic Programs: The policy extends to academic programs and research activities related to climate change, sustainability, and environmental conservation.
- ✓ Community Engagement: BSU's policy includes efforts to engage with the wider community, including residents, businesses, and organizations, related projects.
- ✓ Emissions Reduction: In short-term and long-term objectives define specific emissions reduction targets that the policy aims to achieve.

- ✓ Renewable Energy: With short-term and long-term objectives is specified the transition to renewable energy sources for all campus energy needs, including electricity, heating, and cooling.

- ✓ Student Involvement: students actively participate in climate action efforts, through extracurricular activities, and student-led initiatives.
- ✓ The heating systems in BSU buildings have been transitioned to a clean and sustainable heating system, specifically the Modul type.



We aim to increase the share of renewable energy sources and general energy efficiency in the university's energy balance. Priority is given to procurement that contributes to clean and renewable energy, efficient resources, and environmentally friendly responsible practices. Hybrid cars were bought and now are being used for service. It is planning to change all other cars of BSU to sustainable hybrid cars.

Enhancing energy efficiency, application of ecological and innovative technologies, the goal of sustainable development to combat climate change, the goal of the university in the main efficiency indicators, greening, environmental education, coordinated mitigation, adaptation, education and research activities on climate change, educational seminars program. aimed to prepare the document.

One of the University's goals is to meet a certain portion of the energy demand by reporting alternative energy sources. It is to ensure that the equipment and facilities purchased for the university meet the highest energy-saving standards.

In short term and long-term objectives are specified for the transition to renewable energy sources for all campus energy needs, including electricity, heating, and cooling.



Objectives of are as follows:

- ✓ Reduce negative environmental impact through SPP.
- ✓ Prioritize usage of clean products and services, while contributing to clean energy usage and reduction of carbon footprint.
- ✓ BSU aims to implement ecological projects to reduce emissions of greenhouse gases released into the atmosphere.
- ✓ Continuous environmental monitoring of emissions and discharge control type projects.
- ✓ Renewal of devices and equipment that have expired.



Although a particular goal date for reaching carbon neutrality has not been established, our continued study in this area demonstrates our commitment to mitigating greenhouse gas emissions. BSU demonstrates a steadfast dedication to establishing ambitious and quantifiable objectives for the reduction of greenhouse gas (GHG) emissions, thereby aligning our endeavors with global climate objectives. Our organization will conduct regular and transparent evaluations of our greenhouse gas (GHG) emissions and provide comprehensive reports to track our advancements in meeting these objectives.









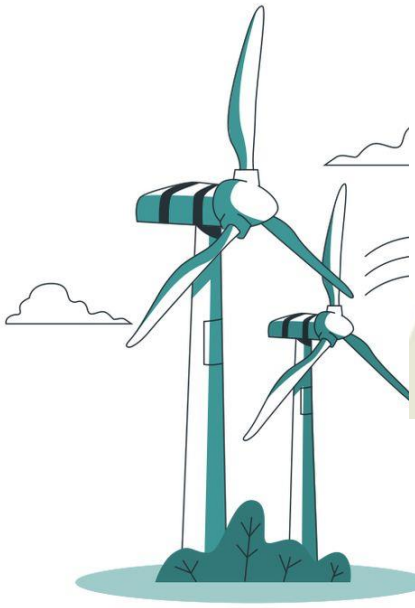


Our university prioritizes purchases that contribute to clean and renewable energy, efficient resources, and environmentally responsible practices.

Prioritizing clean products and services, our university contributes to Clean Energy use and carbon footprint reduction, which contributes to clean and renewable energy, resource efficiency, and environmentally responsible practices.

BSU is in short-term and long-term objectives is specified the transition to renewable energy sources for all campus energy needs, including electricity, heating, and cooling. The heating systems in BSU buildings have been transitioned to a clean and sustainable heating system, specifically the Modul type.

Objective 1	Objective 2
Develop and implement a climate research center by the year 2025.	Organize and convene the inaugural global conference on climate action, aiming to attract delegates from a minimum of five nations, to be accomplished by the year 2025.





Give priority to investments that contribute to clean and renewable energy sources, supporting the global transition to sustainable energy solutions.

Baku State University's Sustainable Procurement Policy on this issue was also included. We aim to increase the share of renewable energy sources and general energy efficiency in the university's energy balance. One solar panel was installed in BSU. It is planning to install more solar panels on the campus for sustainability.

In addition, it was determined that in the future, the efficiency of using alternative energy sources in providing hot water on all campuses will be high. Research and evaluation of effectiveness in this direction are ongoing.

Our university conducts regular correspondence with government bodies responsible for this field in our country, ministries, and state agencies, and organizes and participates in round tables.



Long-Term (By 2030):

- ✓ **Objective 3:** To attain a 30% decrease in greenhouse gas emissions relative to the baseline by the year 2030.
- ✓ **Objective 4:** Achieve active membership in a minimum of three international climate accords or initiatives by the year 2030, thereby gaining recognition as a prominent the intellectual and inventive capability of student-led organizations at BSU consist of effectively engaging them in the university's commitment to the Sustainable Development Goals (SDGs) and strengthening BSU's sustainability position.

- ✓ **Action 6:** To attain a reduction of 25% in the carbon footprint linked to student-led events by the year 2025.
- ✓ **Action 14:** o attain a 50% reduction in the carbon -emissions linked to student-led events by the year 2030.
- ✓ By the year 2025, aim to integrate a student organization's agenda that is centered around the Sustainable Development Goals (SDGs) or encompass SDG-related themes in 70% of the programs and events.



Physics Faculty hosts scientific seminar within the framework of Green World Solidarity Year

The Physics Faculty of BSU held a scientific seminar on energy issues in the modern world as part of the "Green World Solidarity Year." The presentation focused on classical and renewable energy sources, as well as energy storage and conversion. It highlighted growing interest in challenges related to energy production, including accumulation, storage, conversion, and delivery to end users. The seminar also covered the application of various energy sources for scientific and practical purposes, along with a comparative analysis of these sources in terms of environmental impact, safety, and economic efficiency

Scientific seminar on "Prospects of rechargeable Sodium-Ion batteries

A scientific seminar on “Prospects of Rechargeable Sodium-Ion Batteries” was held at the Nanoresearch Laboratory of BSU. The presentation covered the structure, advantages, parameters, and innovations of sodium-ion batteries compared to lithium-ion batteries. It was noted that while their structure is similar to lithium-ion batteries, sodium ions are used instead of lithium, offering lower production costs due to abundant sodium resources. Unlike sodium-sulfur batteries, they can be produced in similar sizes to lithium-ion batteries. However, anode materials in sodium-ion batteries swell significantly when interacting with sodium, causing mechanical damage and loss of electrical contact. Recent studies on new graphite layer applications for negative electrodes have increased expectations that sodium-ion batteries may eventually replace lithium-ion batteries.





An event on "Green Chemistry" was held at BSU



An event titled “Green Chemistry,” dedicated to the “Year of Solidarity for a Green World,” was held at the Faculty of Chemistry of BSU, jointly organized by the “Molecular Minds” club of BSU Volunteers and the “Environmental Care” club of Baku Higher Oil School. It was noted that 2024 was declared the “Year of Solidarity for a Green World” in Azerbaijan, with one of the national priorities for socio-economic development until 2030 being “A country of clean environment and green growth.” Efforts are underway to improve the environment, expand greenery, ensure sustainable use of water resources, and promote renewable energy, with active youth involvement. The event addressed the concept of green chemistry, its principles, and its relation to environmental chemistry, alongside discussions on environmental challenges, solutions, and chemical monitoring methods. Topics also included the declaration of Karabakh and Eastern Zangezur as green energy zones, environmental protection in post-liberation restoration works, and the rehabilitation of forests damaged during the occupation.






PLASTİK TORBADAN İSTİFADƏ ETMƏMƏK SEÇİM
DEYİL, MƏCBURİYYƏTDİR!




Yaşıl kimya nədir?

http://sdg.bsu.edu.az/

7 AFFORDABLE AND CLEAN ENERGY

green chemistry.

Physics Faculty hosts scientific seminar within the framework of Green World Solidarity Year

The Physics Faculty of BSU organized a scientific seminar on energy issues in the modern world within the framework of the "Green World Solidarity Year." The presentation focused on classical and renewable energy sources, as well as energy storage and conversion. It highlighted the growing interest in challenges related to energy production, including accumulation, storage, conversion, and transmission to end users. Information was shared on the scientific and practical applications of various energy sources, and a comparative analysis was presented in terms of environmental impact, safety, and economic efficiency.

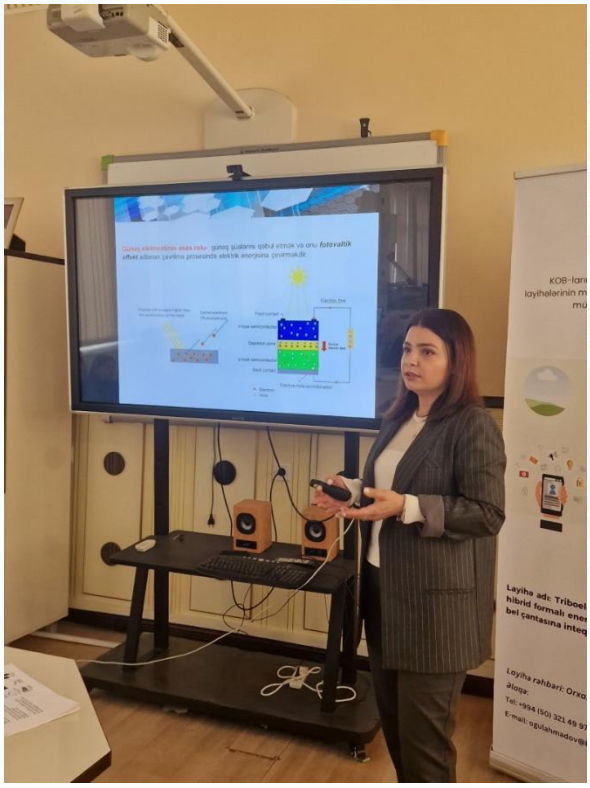


Scientific seminar at BSU on Climate Change

A seminar titled “Prospects of the Framework Convention on Climate Change in Azerbaijan” was held at the Faculty of Biology of BSU. The presentation addressed the causes of climate change, noting that environmental challenges such as carbon emissions, pollution, and global warming have increasingly threatened public health. It emphasized the importance of transitioning to a green economy, promoting renewable energy initiatives, and raising community awareness. The adoption of the UN Framework Convention on Climate Change was highlighted as a key tool in addressing climate issues. It was noted that Azerbaijan, with its high green energy potential, will host COP29 in November 2024, declared the “Year of Solidarity for a Green World.” The event is expected to influence the global perception of Azerbaijan’s green policies and attract investment. Discussions followed on COP29’s potential benefits for Azerbaijan, solutions to environmental challenges, and academic participation in green economy research and projects.



BSU Nano Research Laboratory hosts scientific seminar titled Nanomaterials for Hybrid Solar Cells



A scientific seminar was held at the Nano Research Laboratory of the Center for Excellence in Research, Development, and Innovation of BSU. The presentation, titled "Nanomaterials for Hybrid Solar Cells," focused on the growing interest in alternative energy sources, especially solar panel production, where performance depends on the properties of the materials used. The speaker discussed the synthesis and modification of innovative materials with enhanced characteristics, as well as the development timeline of solar cells. The seminar also covered the structure and optical properties of hybrid materials for solar cell electrodes synthesized in the laboratory and noted plans to develop a multi-pass, tandem hybrid photovoltaic based on perovskite layers.



Training at BSU: The role of youth in the transition to green energy



BSU in partnership with the Departments of Ecology and Soil Science, Journalism, and the "EkoSfera" Ecological-Social Center Public Union, organized an interactive training session for students on the role of young people in transitioning to green energy, as part of the "Year of Solidarity for the Green World." The session aimed to raise awareness about the risks of climate change, threats to global energy security, and the opportunities provided by green energy sources in the country. It also introduced participants to the 29th session of the Conference of the Parties to the UN Framework Convention on Climate Change (COP29) and emphasized the importance of youth involvement in sustainable development.

The training included presentations highlighting national efforts to implement progressive strategies for a green energy transition and the country's achievements in alternative energy technologies. Participants were informed about the role of local communities and the significance of public engagement in addressing climate challenges. Discussions also focused on how students, particularly those in journalism,



can contribute by creating media content that promotes awareness of climate action initiatives and COP29.

Presentations covered topics such as global climate commitments, practical steps toward green energy adoption, and leadership skills necessary for addressing climate change challenges. The training concluded with a collaborative exchange of ideas, emphasizing the importance of youth participation in shaping sustainable policies and promoting environmental responsibility in society.







Republic scientific conference at BSU: Global climate change and modern ecosystem of Azerbaijan







The Faculty of Ecology and Soil Science at BSU organized a national scientific conference titled "Global Climate Change and the Modern Ecosystem of Azerbaijan" to mark the 101st anniversary of National Leader Heydar Aliyev. The conference began with the National Anthem and a moment of silence in memory of the National Leader and martyrs.

The event featured presentations on the National Leader's contributions to state-building, democratic reforms, and ecological policies, highlighting Azerbaijan's progress under his leadership. Speakers also discussed the impact of global climate change on soil and ecosystems, as well as the country's efforts in nature conservation and sustainable development.

During the plenary session, experts presented on the prospects of alternative energy sources and strategies to adapt agriculture to climate change. The conference

concluded with divisional meetings to further discuss and explore topics related to climate change and environmental sustainability.













The student scientific society of BSU launches seminar in commemoration of the year of solidarity for a Green World

BSU Student Scientific Society (SSC) launched a seminar series as part of the "Year of Solidarity for the Green World," engaging students from multiple faculties including Chemistry, Physics, Geography, History, Ecology, and Soil Science. The seminars aimed to promote awareness of environmental sustainability, urban planning, renewable energy, and innovative green technologies among the student community.

The sessions emphasized national priorities for clean environment and green growth, exploring practical approaches to improving urban spaces, implementing green infrastructures, and promoting renewable and hybrid energy systems. Presentations covered topics such as sustainable city planning, green fuels as alternatives to fossil fuels, hybrid energy systems including hydroelectric power plants, and the role of modern technologies in reducing carbon emissions and supporting eco-friendly practices. Case studies from international cities were discussed, highlighting successful strategies like green roofs, vertical gardens, and bicycle infrastructures, as well as initiatives planned and implemented in Azerbaijan.

The seminars concluded with discussions on how students can contribute to environmental awareness and sustainable development through research, innovation, and community engagement, reinforcing the role of youth in shaping a greener future.










Şəhərsalmada və Yaşıl inkişafda
innovativ texnologiyalar


«İnsanın formalaşması və təbiət»
Uğur Qismətli
Tarix fakültəsi, Antropologiya, I kurs magistr




"Yaşıl Dünya naminə Həmrəylik III"
ELMİ SEMİNAR



BSU Student Scientific Society"s seminar series persists during the Year of Solidarity for a Green World



The Student Scientific Society (SSC) of BSU continues its seminar series as part of the "Year of Solidarity for the Green World." Organized by the SSC, the event brought together students from the faculties of Biology, History, Geology, and Journalism.

Speakers addressed a range of environmental issues, including the impact of drought and salinity on ecosystems, environmental damage caused during the Karabakh conflict, Azerbaijan's zero carbon policy, and green energy projects in liberated territories. Presentations also explored the effects of war on ecosystems, the country's renewable energy potential, "smart city" and "smart village" initiatives, and the environmental implications of mineral exploration.

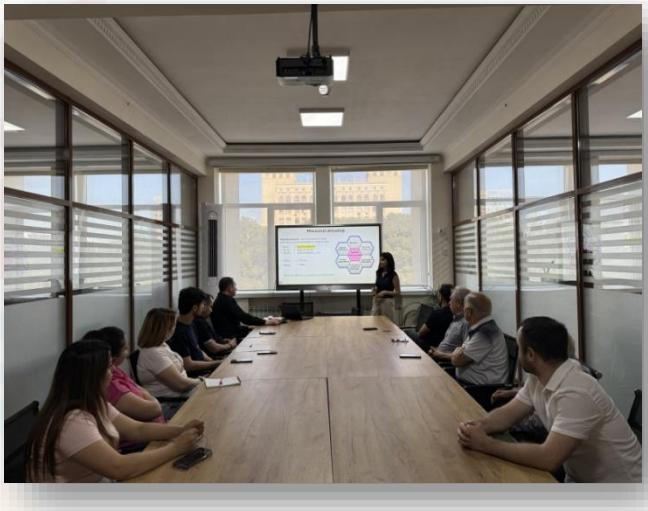
GREEN WORLD

Scientific seminar on Research of topological insulator and quantum materials with thermoelectric properties at BSU

BSU held a scientific seminar titled *"Basic Approaches in the Design of Quantum Materials with Topological Insulator and Thermoelectric Properties and Research of Their Properties."*

The event featured a detailed presentation on the importance of topological insulating and thermoelectric materials, highlighting current approaches to improving their properties and exploring their potential applications in various fields.





Student admission announcement for BSU's Faculty of Ecology and Soil Science

Faculty of Ecology and Soil Science offers student admission in three distinct fields of study. The Faculty operates five departments: Ecological Chemistry, Geographic Ecology, Bioecology, Soil Science and Real Estate Cadastre, and Safety of Life Activities. Students and postgraduates have the opportunity to conduct research at the Ecological Chemistry and Environmental Protection Research Laboratory, which operates under the university's Research, Development, and Innovation Excellence Center. Undergraduate programs are available in the following areas:

1. **Ecology** – Graduates can work in various state and private institutions, including the Ministry of Ecology and Natural Resources, Ministry of Agriculture, SOCAR, BP, and the Food Safety Agency.

2. **Ecological Engineering** – Graduates may pursue careers in environmental protection, transportation management, energy systems, oil and gas industry, waste management, agriculture, disaster management, aerospace research, and related high-profile engineering roles in both governmental and private sectors.

3. **Soil Science and Agrochemistry** – Graduates can find opportunities in the Ministry of Agriculture, State Service for Property Issues, Food Safety Agency, Ministry of Ecology and Natural Resources, and various agricultural and soil analysis laboratories.



Land Management and Real Estate Cadastre graduates are prepared for roles in the State Service for Property Issues, City Planning and Architecture Committee, Ministry of Emergency Situations, Ministry of Ecology and Natural Resources, Ministry of Agriculture, and numerous private firms. Instruction at the Faculty is provided in Azerbaijani, Russian, and English.

BSU Rector Elchin Babayev: Collaboration at national and international levels is essential for solving environmental problems

A scientific-practical conference under the ECOLEAD project was held in Sheki, focusing on forming academic and legal foundations for protecting green spaces against climate change. The event emphasized the importance of addressing environmental problems through scientific research, legal measures, and public engagement. BSU was presented as a key partner, with specialized faculties, research laboratories, and student initiatives aimed at developing sustainable practices and green technologies. The university is also involved in the newly established ECOLEAD Clinic, which will investigate environmental violations, strengthen law enforcement, and support interdisciplinary cooperation.





Discussions highlighted the urgent threats caused by environmental crimes and the necessity of joint action. Participants underlined that effective solutions require collaboration between government institutions, universities, NGOs, the private sector, and society. The ECOLEAD platform is expected to centralize efforts by combining scientific, educational, and legal approaches, while also engaging students and young researchers in the process.









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



The Baku Climate Action Week (BCAW) began on September 30 and will continue until October 4, serving as a preparatory platform for COP29, which will be hosted in Baku this November. Organized in collaboration with the London Climate Action Week, the initiative seeks to raise public awareness and mobilize international efforts to combat climate change.

As part of BCAW, BSU will hold a scientific conference on October 4 at the JW Marriott hotel under the theme "Accelerating Research and Collaboration for Climate Action." The conference will address the scientific and practical dimensions of climate change, emphasizing the role of empirical data, artificial intelligence, and advanced analytical tools. Key topics will include the impact of climate change on transboundary water management, innovative approaches and cooperation mechanisms, and opportunities for international collaboration to strengthen global and regional climate action.



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.

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.

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.

Role of Empirical Data and Innovative Solutions in Climate Action: The proper collection, analysis, and use of empirical data play a crucial role in the fight against climate change. The conference will discuss how this data can be effectively collected and shared. Additionally, innovative technologies and solutions in climate action, including carbon capture and storage technologies, the application of renewable energy sources, energy efficiency, and waste reduction innovations, will also be significant topics of discussion.

Socio-Economic Impacts of Climate Change and Global Policy: Climate change has strong effects not only on the environment but also on socio-economic systems. The conference will discuss the impacts of these changes on economic growth, poverty, migration flows, food security, and employment at both regional and global levels. Concrete steps regarding the economic and legal measures that states must adopt in combating climate change, and how policies should be formulated and implemented, will be part of the discussions.



An international scientific conference has been held organized by BSU as part of Baku Climate Action Week





An international scientific conference on *"Accelerating Research and Collaboration for Climate Action"* was held within the framework of the Baku Climate Action Week, organized by BSU. The event brought together scientists, policymakers, and experts from different countries, creating a multidisciplinary platform to discuss urgent climate challenges and solutions.

The conference focused on key topics, including the role of empirical data, artificial intelligence, and advanced analytical tools in predicting and combating climate change, as well as the need for innovative approaches to transboundary water resource management. Participants also highlighted the importance of international cooperation, joint initiatives, and stronger mechanisms under the UN Framework Convention on Climate Change to achieve global climate goals.

Discussions emphasized that climate change affects not only ecosystems but also socio-economic systems, influencing economic growth, poverty, migration, food security,

and employment. The conference stressed the necessity of integrating education, scientific research, and green skills into long-term strategies. Innovative technologies such as renewable energy, carbon capture, energy efficiency, and waste reduction were also underlined as practical solutions.

Overall, the conference served as a preparation for COP29 in Baku, aiming to strengthen international collaboration and accelerate effective climate action at both global and regional levels.



Event on "COP29 and global climate change" at BSU







An event titled *"COP29 and Global Climate Change"* was held at the Faculty of Social Sciences and Psychology. The discussions emphasized the international importance of Azerbaijan hosting COP29 and the declaration of 2024 as the *"Year of Solidarity for a Green World."* It was noted that Azerbaijan plays a leading role in international ecological policy and global climate action.

Speakers highlighted global environmental challenges, the causes of climate change, and the measures being taken in Azerbaijan to address these issues. They underlined that around 20% of Azerbaijan's territory was subjected to ecocide during the years of occupation and stressed that large-scale projects are currently underway to restore ecological balance, promote a green economy, and expand the use of green energy in the liberated areas.

BSU team has secured a spot in the final of the international competition with their "Supercapback" project



BSU team "BSU Creativity Workz" has reached the final of the “E-Mobility Innovation and Startup Competition” at the EV Charge Show, which will be held in Istanbul from November 13-15, 2024. The event gathers leading electric vehicle companies and charging technology developers from around the world. This year, 220 teams submitted projects, and only 8 reached the final. BSU’s project “SuperCapBack” was developed at the Student Scientific and Technical Creativity Center and focuses on improving the performance and lifespan of Li-ion batteries in electric vehicles. By integrating a hybrid system with EDLC supercapacitors, AC-DC converters, and a cooling system, the project addresses efficiency losses and battery wear caused by regenerative braking and high current during acceleration.



The presentation ceremony of the Azerbaijani version of the "Climate Change Guide for Legislators" has been held

A presentation ceremony was held at ADA University for the Azerbaijani version of the "Climate Change Guide for Legislators." The publication, originally developed by international experts and institutions, including leading climate scientists, was translated into Azerbaijani within the framework of COP29. The guide is designed to provide parliamentarians, policymakers, and decision-makers with scientific knowledge on the causes, consequences, and possible solutions to climate change. It also offers strategies and recommendations for shaping effective policies that address this global challenge.

During the event, speakers underlined that climate change is one of the greatest threats to humanity and requires joint global action. It was noted that Azerbaijan has strengthened its role in this field through state-led initiatives, the declaration of 2024 as the "Year of Solidarity for a Green World," and by hosting COP29 in Baku. These steps demonstrate the country's commitment to sustainable development and climate cooperation.

The guide is expected to contribute not only to parliamentary work but also to academic and educational activities by raising awareness among students, researchers, and the wider public. Participants emphasized that the resource will help align national and international efforts in combating climate change, ensuring that decisions are supported by science-based evidence. The event also created an opportunity for dialogue between legislators, climate experts, and international partners ahead of COP29, further strengthening cooperation in addressing environmental challenges.



New Unique Project – "Eco Space" at the University



BSU continues to play an active role in promoting environmental sustainability and the transition to a green economy in Azerbaijan. In line with the country's national priorities for socio-economic development, BSU has been expanding research and educational initiatives focused on environmental protection, climate action, and ecological responsibility.

In 2024, BSU joined the Association for the Advancement of Sustainability in Higher Education (AASHE), connecting with over 900 institutions worldwide to advance sustainable practices in education and research. The University has developed dedicated faculties and research laboratories in ecology, soil science, and environmental chemistry, and established the ECOLEAD Clinic in collaboration with national authorities to monitor and prevent environmental violations. BSU students actively



participate in projects related to green energy and technologies. Notably, a student team's smart irrigation project, "E-Agri Irrigation," won third place at an international technology festival, demonstrating innovation in water-saving and sustainable agriculture. As part of its ongoing commitment, BSU launched the "Eco Space" project in 2024, coinciding with the hosting of COP29 in Azerbaijan. Opened on a 1,000-square-meter campus area, "Eco Space" integrates advanced ecological and educational technologies, including aquaponics systems, bioreactors, solar energy infrastructure, and digital monitoring tools for air quality and weather data. The facility provides students and researchers with hands-on experience in sustainable practices, eco-friendly food production, and energy-efficient technologies.





The project is designed to support education, public awareness, and community engagement, and it is open not only to BSU students but also to students from other schools, universities, and the broader public. Through seminars, workshops, and interactive programs, "Eco Space" fosters environmental knowledge and encourages youth participation in sustainable initiatives.



By combining academic research, innovative technologies, and public-private partnerships, "Eco Space" demonstrates BSU's commitment to the UN Sustainable Development Goals, including quality education, sustainable cities, climate action, biodiversity conservation, and partnerships for sustainable development. The project also strengthens international collaboration and positions Azerbaijan as a leader in green growth and ecological innovation.

Scientific seminar at BSU: "Green library concept"

A scientific seminar dedicated to Azerbaijan's "Green World Solidarity Year" was held at BSU focusing on the emerging concept of the green library. The seminar highlighted the importance of the national decree declaring 2024 as the "Green World Solidarity Year" and emphasized Azerbaijan's role as host of the upcoming COP29 conference, showcasing the country's leadership in global climate initiatives.



During the event, the concept of a green library was presented as an innovative approach in library and information services. The seminar examined its purpose, architecture, and societal significance, referencing international research

and guidelines from leading library associations. Discussions also highlighted the challenges of expanding, standardizing, and certifying green libraries, stressing the importance of energy efficiency, environmental protection, and human health in their infrastructure.

The seminar further explored the current resources and potential of Azerbaijani libraries to implement green initiatives and concluded with interactive discussions on advancing these practices in the local context.

Baku State University (BSU) participated in the "EV CHARGE SHOW" – a global meeting platform for manufacturers of electric vehicle charging stations



BSU participated in the "EV Charge Show" – a global meeting platform for manufacturers of electric vehicle charging stations. The conference, held in Istanbul from November 13-15, aimed to develop battery and charging technologies used in electric vehicles, support innovative digital solutions, and promote projects based on clean energy usage. The conference featured various charging stations, battery technologies, and projects based on IoT-based solutions for charging systems, presented by 151 companies.

BSU's Student Scientific and Technical Creativity Center provided information about the "SuperCapBack Hybrid Battery"

and “Clean-Charge Fast Charging Station” projects, engaging in discussions with charging station manufacturers participating in the exhibition.

It is also noteworthy that BSU's "BSU Creativity Workz" team reached the finals of the "E-Mobility Innovation and Startup Competition" within the "EV Charge Show" – Global Meeting Platform for Electric Vehicle Charging Station Manufacturers, securing a spot among the top 8 teams out of 220

A Republican Scientific Conference on the topic "Modern Problems of Ecological Chemistry and Environmental Protection" is being held at BSU



BSU held a Republican Scientific Conference on "Modern Problems of Ecological Chemistry and Environmental Protection" to mark the university’s 105th anniversary and the 20th anniversary of its Department of Ecological Chemistry.

The conference highlighted Azerbaijan’s commitment to environmental protection, green growth, and the transition to a sustainable economy, emphasizing the 2024 “Year of Solidarity for a Green World” and the hosting of COP29. BSU’s research in ecological chemistry, green energy, and sustainable technologies was

presented, alongside student projects and the university's new "Eko Mekan" initiative, aimed at teaching innovative methods in green energy and ecological awareness.

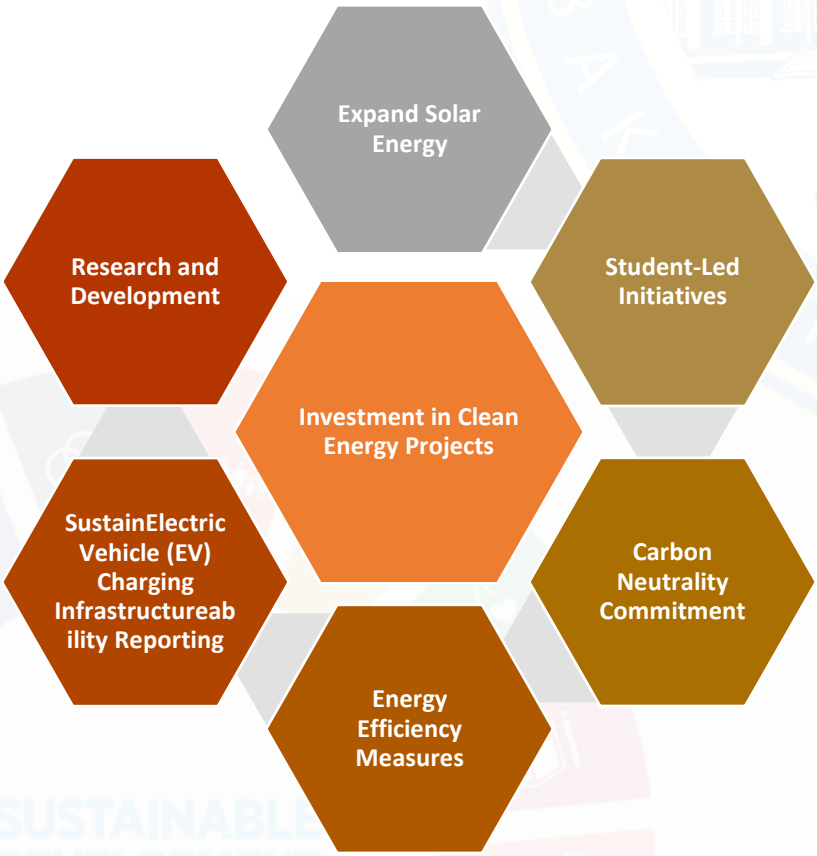
The Department of Ecological Chemistry was recognized for its two decades of contributions to education, research, and international collaboration, including regional environmental studies, development of sustainable technologies, and chemical ecology research. The conference continues with multiple scientific sessions, reinforcing BSU's role in environmental research and sustainable development.



FUTURE GOALS



To further advance Baku State University's commitment to sustainable and clean energy practices, here are some future steps that can be considered:



By taking these future steps, Baku State University can further solidify its commitment to clean and renewable energy, contribute to a more sustainable future, and continue to align with the Sustainable Development Goal 7 (SDG 7) of affordable and clean energy.

CONCLUSION



The provided information outlines several key findings from Baku State University's sustainability initiatives, particularly in relation to achieving Sustainable Development Goal 7 (SDG 7), which focuses on affordable and clean energy. The key findings include: Transition to Clean Energy: BSU has successfully transitioned its heating systems to clean and sustainable options, particularly the Modul type, which reduces the environmental impact of energy consumption in university buildings.

Renewable Energy Adoption	**The installation of solar panels and plans for further expansion demonstrate the university's commitment to increasing the use of renewable energy sources on campus.**
Emissions Reduction Targets	The university has set specific emissions reduction targets, both in the short-term and long-term, demonstrating its commitment to reducing greenhouse gas emissions and working towards carbon neutrality.
Academic Integration of Sustainability	BSU extends its commitment to sustainability beyond campus operations by including academic programs and research activities related to climate change, sustainability, and environmental conservation.

Community Engagement and Student Involvement	The report highlights the university's efforts to engage with the wider community and encourages active student participation in climate action and sustainability initiatives.
Collaboration and Research	The university engages in regular correspondence and collaboration with government bodies and participates in discussions and round tables to advance clean energy and sustainability initiatives.



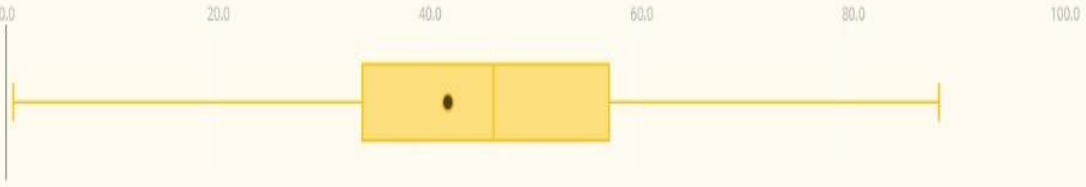
Ranking Results

7

AFFORDABLE AND CLEAN ENERGY

SCORE 41.7

RANK 601–800 out of 1181 institutions



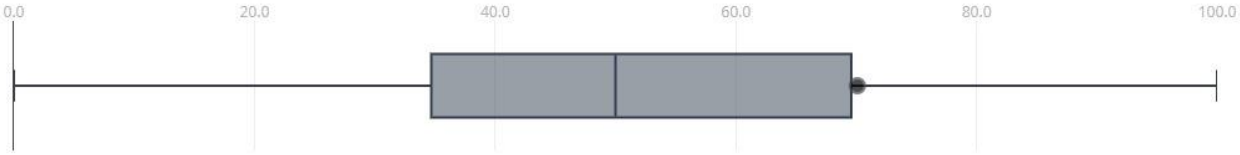
SCORE
40.3 Research on clean energy

27% OF THIS SDG



SCORE
70.1 University measures towards affordable and clean energy

23% OF THIS SDG



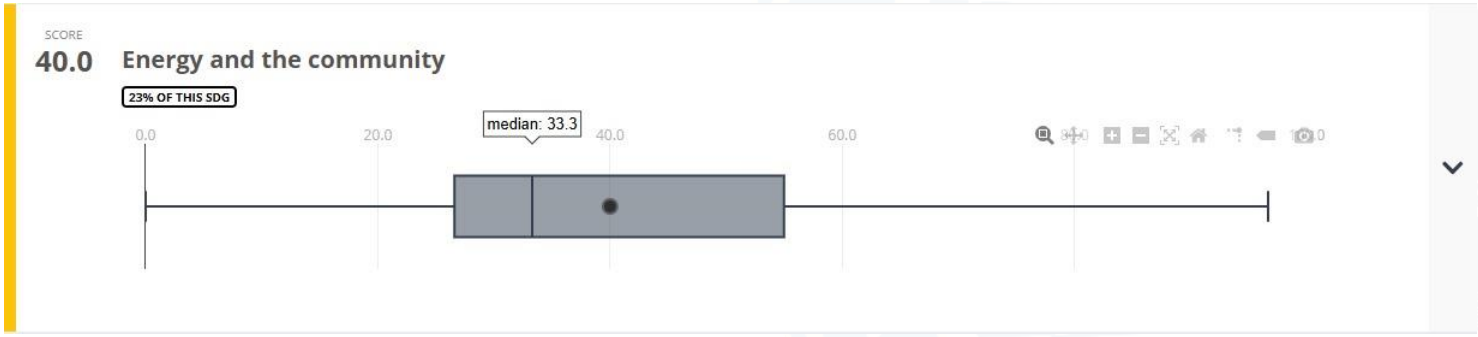
SCORE
20.4 Energy use density

17% OF THIS SDG



http://sdg.bsu.edu.az/

7 AFFORDABLE AND CLEAN ENERGY



OVERALL RANK

401–600 out of **2318** institutions

THE IMPACT RANKINGS



7

AFFORDABLE AND CLEAN ENERGY

SCORE **41.7**

RANK **601–800** out of **1181** institutions

UI GreenMetric World University Rankings

3. WORLD RANKINGS HISTORY



Figure 3.1 World Rankings History Diagram

4. RANKING IN AZERBAIJAN



http://sdg.bsu.edu.az/

7 AFFORDABLE AND CLEAN ENERGY

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
41.19%

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%

http://sdg.bsu.edu.az/

7 AFFORDABLE AND CLEAN ENERGY

MEMBERSHIPS:

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

ISCN
International Sustainable Campus Network

CANiE
climate action network

GUNI
GLOBAL UNIVERSITY NETWORK FOR INNOVATION

Research

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

2024 REPORT ON

8 DECENT WORK AND ECONOMIC GROWTH



INTRODUCTION

Baku State University (BSU) in Azerbaijan has made significant efforts to promote decent work and economic growth, as outlined in Sustainable Development Goal 8. The university adheres to a living wage law, ensuring that employees, including students and staff, receive reasonable compensation. The BSU Trade Union Committee, with over 3,000 members, plays a vital role in safeguarding employees' interests and contributes to the university's cultural integrity. They also influence the adoption of ethical codes.

BSU has established strong anti-harassment, anti-discrimination, diversity, and inclusion policies, reinforcing the commitment to treating all employees with dignity and respect. The university follows legislation that guarantees equal rights for all, regardless of gender, religion, or sexual orientation. They provide job opportunities based on merit and experience.





The university's workforce includes a significant percentage of women, including deans and heads of departments, reflecting gender equality. BSU, known for training lawyers and social workers, plays a key role in preventing forced labor, modern slavery, human trafficking, and child labor. BSU's UNESCO Chair on Human Rights and Information Law reinforces their commitment to human rights education. Gender-based discrimination in employment and wages is prohibited, and any disputes related to employee rights can be addressed through the university administration or the trade union. The university's practices align with SDG 8 by fostering decent work, fair wages, and non-discriminatory policies for its employees.

DECENT WORK AND ECONOMIC GROWTH (SDG8)



The living wage was reflected accordingly "on the limit of the subsistence minimum for 2024" law. According to the law, the living wage for 2024 has been set at 270 AZN for the main socio-demographic groups of the population, 287 AZN for the able-bodied population, 222 AZN for pensioners, and 235 AZN for children.

The average wage for BSU employees is more than 1050. The average wage for scientific-pedagogical workers of BSU is more than 1120.

The committee of trade unions (trade union) of workers of the Baku State University was organized nearly from the first day of the existence of the university. Today, this organization has about 3,000 members and is one of the strongest trade unions in the country. The main activities of the trade union: protecting the interests of employees (their social, legal, moral interests). It is also worth to notice the fact that many important events in the life of the university, including anniversary celebrations, commemorative days of knowledge, graduation days, competitions, various sports competitions, are organized by the committee of trade unions.

BDU THİK | BSU STUC

Biz birlikdə güclüyük!
Together we are strong!



The Trade Union Committee had a great influence on the integrity of the organizational culture of our university and directly on the adoption of the Code of Ethics for Academicians and Employees.



BSU trade union is a member of Azerbaijan Trade Unions Confederation. Every year, Baku State University and The Committee of Trade Unions sign a collective agreement, which includes the basic rights and obligations of the parties. The Trade Union Organization of Students of the Baku State University is a strong organization.

The university has an officially recognized "Union of Independent Students" with over 13,000 members. This organization, designed to protect the rights of students, has a great influence on management decisions at BSU at all levels.

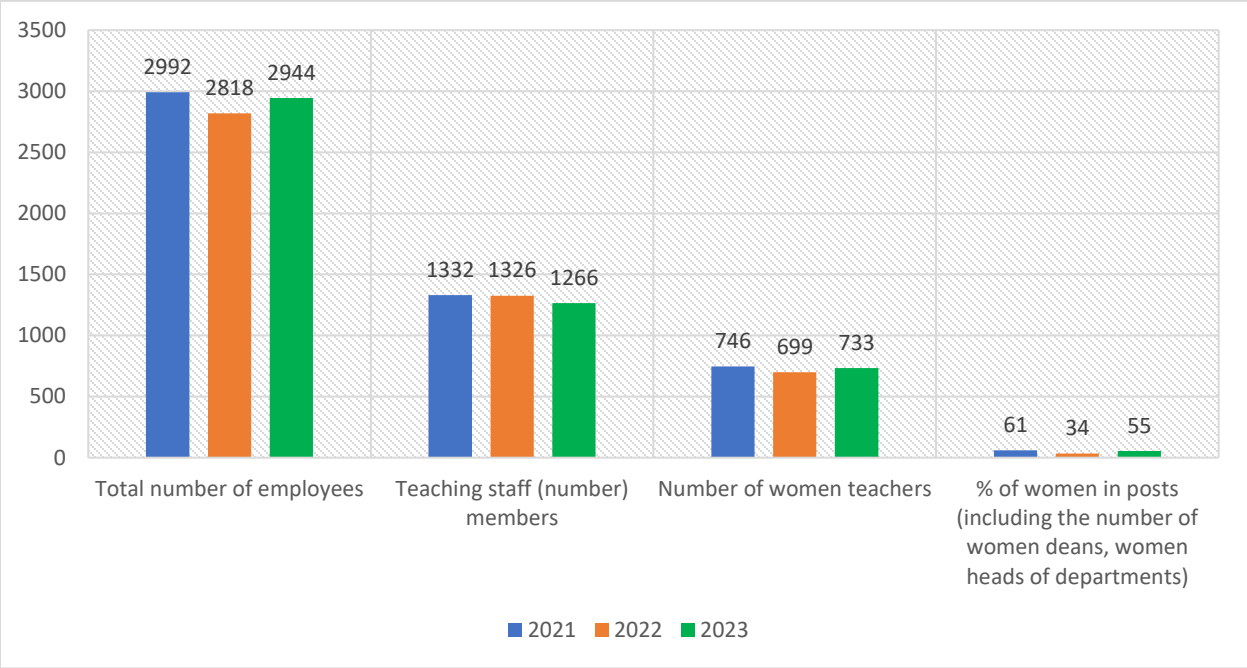


The university has officially adopted an Anti-harassment and Anti-discrimination Policy. It is also complemented by the Equality, Diversity and Inclusion Policy and the Anti-bribery and Corruption Policy. Anti-harassment and Anti-discrimination Policy's mission is to ensure that all University employees, regardless of race, color, national origin, religion, sex, age, marital and parental status, disability, or genetic information, recognize the right to dignity and respect. The full document is published on the university website and includes, in addition to the mission statement, goals and objectives, a step-by-step procedure for implementing, monitoring, and reporting the action plan. It should also be noted that the Code of Ethics for Academicians and Staff was adopted by the Academic Council. In this case, it is needed to put sanctions or take preventive actions with the decision of The Disciplinary Committee.

The activities of the university are carried out within the framework of the legislation of the Republic of Azerbaijan, which provides equal rights for all employees.

University employees work on long-term and short-term contracts. The requirements for candidates for vacant positions are the same for everyone, regardless of gender, religion, or sexual affiliation. Job descriptions, responsibilities and obligations in contracts vary, depending on the vacancy.

Also, some aspects of the BSU anti-discrimination policy are reflected in Baku State University and The Committee of Trade Unions collective agreement (2021-2023-years)



The activities of the university are within the framework of the legislation of the Republic of Azerbaijan, and therefore do not involve the use of forced labor, modern slavery, human trafficking, and child labor.

However, it must be highlighted that BSU is the university that trains most of the lawyers for Azerbaijan, as well as social workers, who are the basic force in preventing forced labour, modern slavery, human trafficking, and child labor on the territory of any country. In addition, at all faculties of the university, the study of the

constitution of the Republic of Azerbaijan is included in the program, which enshrined the equality of freedoms of all citizens.



UNESCO Chair on Human Rights and Information Law operates at Baku State University.

The difference in wages is varied only by additional payments characterizing the professional qualities of the individual, for example, the presence of a Ph. d diploma, etc.

There are 2 ways to appeal disputes related to employee rights, either through the university administration, or through the Trade Union.



http://sdg.bsu.edu.az/

8 DECENT WORK AND ECONOMIC GROWTH

Baku State University Introduces Mandatory Annual Training on Social Sustainability



BSU has reinforced its commitment to sustainability by introducing a mandatory annual training program on the social aspects of sustainability for students, faculty and professional staff members. This initiative aims to foster a more inclusive, ethical, and socially responsible academic environment.

Promoting Social Sustainability

The training program is designed to equip students and staff with essential knowledge and skills in key areas such as:

- **Diversity, Equity, and Inclusion (DEI):** Ensuring fairness and equal opportunities within the university community.
- **Social Justice and Ethical Governance:** Upholding human rights, labor rights, and ethical leadership.
- **Community Engagement and Social Responsibility:** Encouraging active participation in societal development.
- **Health, Well-being, and Work-life Balance:** Promoting the mental and physical well-being of staff and students.



Sustainable Development

Training Format and Implementation

BSU's sustainability training is delivered through a combination of:

- **Online Learning Modules:** Accessible via the university's digital platform for flexible learning.
- **Workshops and Interactive Seminars:** Led by industry experts and faculty members.
- **Case Studies and Group Discussions:** Practical applications of social sustainability principles.

Commitment to Continuous Learning

As part of BSU's broader sustainability strategy, the training is compulsory for all students, faculty and staff, with completion tracked by the Quality Assurance Office. Participants receive official certificates upon successfully finishing the program.



A memorandum of understanding was signed with the Social Services Agency

BSU actively provides expert advice to local, regional, and national government bodies. This engagement occurs through several avenues. One of this kind of memorandum of cooperation was signed between BSU and the Social Services Agency under the Ministry of Labor and Social Protection of the Population.



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.

Baku State University Celebrates Success of Skills Development Resources Initiative



BSU proudly announces the successful implementation of its Skills Development Resources Initiative; a transformative program aimed at equipping students with essential study and soft skills to excel both academically and professionally. This milestone reflects BSU's unwavering commitment to fostering well-rounded individuals ready to thrive in a rapidly changing world.

Key Achievements of the Initiative:

1. Mastering Time Management
2. Strengthening Critical Thinking
3. Fostering Teamwork and Leadership
4. Impact on Student Success

Meeting on awareness events on the field of social work

A meeting was held between the Department of Social Work of the Faculty of Social Sciences and Psychology of BSU and the employees of the State Social Protection Fund (DSMF) within the framework of the "Education in the field of social work" project.

The main goal of the project is to inform students about the activities of the DSMF, the social reforms carried out in the country, the applied innovations, and the coordination of the activities with social work education.







A new opportunity for students engaged in startup activities



The 3rd part of the "Viveka Company Creation Program" project is launched only for Baku State University within the framework of the "Viveka" project of Turkey's leading strategy innovation consulting firm "Viveka" with the initiative of the Innovations and Digital Development Agency and the sponsorship of "PASHA Holding". This program provides a unique opportunity for those who are ready to turn their entrepreneurial dream into reality but don't know where to start. The Viveka Company Creation Program provides the knowledge, resources and support needed to take startups to new heights. Those who will join the program will gain theoretical and practical knowledge of technological solutions, legal, financial, market and other aspects of startup construction based on the model proposed by "Viveka". The Viveka Company Creation Program will help you achieve No-Code MVP speed, which allows you to develop and fill a Minimum Viable Product without the need for sophisticated skills.

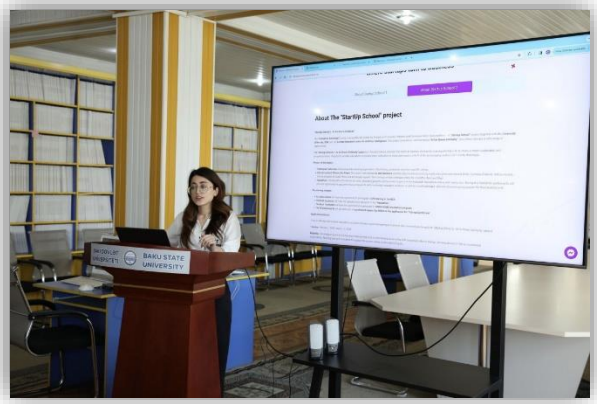
StartUp School 2 - AI for Green Solidarity project was presented at BSU



An educational event was held at Baku State University within the framework of the "Startup School 2 - AI for Green Solidarity" project, organized by the "Enterprise Azerbaijan" portal. The initiative, implemented in partnership with international institutions, aims to support youth ideas, develop their knowledge and skills in artificial intelligence, and promote innovation culture in Azerbaijan. During the event, students received information on project goals, participation criteria, and opportunities to transform ideas into business. A quiz on innovation and startups was also conducted, and active participants were awarded books. The program concluded with visits to BSU's scientific and research centers.









Students of Biology Faculty is on field trip



Students of the Faculty of Biology of BSU studying water bioresources and aquaculture have had a field trip to "Azerbaijan Fish Farm", "Xilli Bayak" and "Kahf" LLCs located in Neftchala district. Trainings were held for students at Yenikend Sturgeon Breeding Farm of "Azerbaijan Fish Farm" LLC. Students got acquainted with the production process in the sturgeon complex during the experiment. They were informed that the production capacity of the sturgeon complex consists of 10 tons of sturgeon caviar, black caviar, sturgeon spawn and 200 tons of sturgeon meat. The students also visited the Neftchala Fish Feed Factory, operating in the Neftchala Industrial District under the Economic Zones Development Agency of the Ministry of Economy and belonging to "Kahf" LLC, and got acquainted with the work process and feeding

methods. The production technology of fodder and methods of preparation of recipes were explained to the students at the enterprise with annual production capacity of 25,000 tons.





A collective agreement has been signed between BSU and the BSU Trade Union Committee (TUC)

Baku State University and its Trade Union Committee signed an agreement aimed at strengthening cooperation based on social partnership principles. The document is expected to enhance mutual relations, while also supporting the protection of the social, legal, and moral interests of the university staff.







Baku State University Introduces Comprehensive Tutoring and Mentoring Programmes



In its unwavering dedication to student achievement and academic excellence, BSU is proud to announce the launch of a comprehensive series of tutoring and mentoring programs. These initiatives are designed to provide students with personalized academic guidance while fostering meaningful connections between students, faculty, and experienced mentors. The newly introduced programs aim to bridge the gap between students' academic aspirations and the challenges they face in their studies. By pairing

students with skilled tutors and mentors, BSU ensures that every participant receives tailored support in a variety of academic disciplines. From understanding complex concepts to developing strategies for tackling difficult coursework, the programs cater to a wide range of individual needs.

Highlights of the Programs:

- ✓ Regular one-on-one tutoring sessions for in-depth academic support.
- ✓ Group mentoring events that promote collaborative learning and peer interaction.
- ✓ Seminars and workshops focused on career readiness, soft skills, and leadership development.
- ✓ Online and in-person options to accommodate diverse schedules and learning preferences.

Core Objectives of the Tutoring and Mentoring Programs:

- ✓ **Personalized Academic Guidance:** Students receive one-on-one or group support to strengthen their understanding of challenging subjects. Tutors work closely with participants to create customized study plans and strategies that align with their academic goals.
- ✓ **Mentorship for Growth:** Students are paired with experienced mentors who provide not only academic assistance but also career advice, life skills training, and personal development guidance. This holistic approach equips students to navigate both academic and professional environments with confidence.

- ✓ **Enhanced Learning Opportunities:** These programs address individual learning challenges, encourage critical thinking, and improve problem-solving skills, empowering students to excel in their studies.
- ✓ **Building Connections:** By fostering collaboration and dialogue between students and faculty, the programs create a supportive academic community that inspires learning and mutual growth.



Training on Managing Exam Stress Held for BSU Students

The Learning Development Center at 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. The session concluded with an interactive Q&A, where students' questions on the topic were addressed.

Head of the Department at the Agency of Social Services conducted Workshop at BSU



A workshop on social services was held at BSU for students majoring in Social Work. The session covered the essence of social services, case management processes, and the role of social workers in this field. The event was also attended by university representatives and faculty members.

1684 BSU students granted education loans in the last 3 years

From 2021 to 2024, a total of 1,684 students from BSU were granted educational loans, comprising 494 social loans and 1,190 standard education loans. Out of 2,038 BSU students who sought education loans during this period, 1,684 were successfully approved. During the academic year 2023/2024, a collective of 705 BSU students were provided with educational loans, consisting of 184 social loans and 521 standard education loans.

Təhsil Tələbə Krediti Fondu

It's important to highlight that no collateral or guarantor is necessary for obtaining an educational student loan. These loans are long-term, and students are not obligated to repay them during their period of study, concession, or grace period. Additionally, no interest is accrued on these loans.

A meeting of the regional section of the II International scientific-practical conference on inclusive education was held at the Kazakh branch of BSU



A regional session of the international scientific-practical conference “from inclusive education to inclusive society” (itic 2024) was held at the kazakh branch of baku state university (bsu), jointly organized by the ministry of science and education, bsu, and baku slavic university. Speakers highlighted azerbaijan’s progress in developing inclusive education since 2005, supported by a strong legislative framework and



national programs ensuring equal educational opportunities for persons with disabilities. The conference focused on strategies for integrating individuals with limited health opportunities into education and society, emphasizing social equality. Participants delivered presentations on topics such as improving curriculum, advancing inclusive practices, enhancing higher education content, fostering





socialization, supporting students with disabilities, and aligning inclusive education with labor market needs. The event concluded with certificates awarded to participants.



BSU debate tournament: Addressing environmental issues for economic growth



Baku State University hosted the 56th Internal Debate Tournament under the theme “Fighting environmental problems contributes to the country’s economy.” The event, organized by the Debate Club, brought together nearly 100 students, with 21 teams from the Azerbaijani section and 8 teams from the Russian section. Over two days, participants competed in group and qualifying rounds, followed by the finals where the winning teams were announced. The tournament not only highlighted the role of debates in developing communication and leadership skills but also honored the top 20 speakers from both sections.



BDU Team wins 3rd place at Enactus Azerbaijan National Competition



The final stage of the Enactus Azerbaijan National Competition took place on August 16. The Baku State University (BDU) Enactus team presented their "AgroX" project in the competition. Competing in the second league, our team scored high and achieved 3rd place in the final stage. The competition featured 24 teams, with 3 teams demonstrating outstanding results in the final stage.

It is worth noting that ENACTUS (Entrepreneurial Action Us) was established in 1975 by universities in the USA. ENACTUS is an international organization that brings together today's and tomorrow's leaders to create a better and more sustainable world through the positive power of business. The ENACTUS global network consists of university students, academic professionals, and business leaders.

Cooperation opportunities between the Ministry of Agriculture and BSU discussed

A meeting was held between the Ministry of Agriculture and BSU to explore areas of cooperation. The discussions focused on strengthening collaboration in education, scientific research, and the development of human resources for the agrarian sector. The Ministry emphasized the country's agrarian development strategy, highlighting the importance of innovation, high technologies, and the growing demand for specialists who can effectively apply modern techniques to improve productivity.









BSU, in turn, presented its academic and research potential, stressing its role in training professionals with strong theoretical knowledge, innovative skills, and competitiveness in both national and international labor markets. The university also underlined its mission to prepare highly qualified pedagogical, engineering, and scientific specialists with a strong sense of responsibility and patriotism.

Both sides expressed confidence that closer cooperation would contribute not only to the professional development of students and researchers but also to the sustainable growth of the agricultural sector in Azerbaijan.

The first training of the "SMART AGRO TECHNOLOGY" project has been held at BSU



The *"Smart Agro Technology"* project, funded by the Youth Foundation of Azerbaijan and implemented at BSU has officially started. Young participants were selected through competitive rounds to attend the training.

University leaders emphasized the importance of applying technological innovations in agriculture and encouraged youth engagement in projects that enhance scientific and technical knowledge.



The training covered modern agricultural innovations, smart irrigation systems, teamwork principles, and practical applications. Participants actively engaged in the tasks and successfully completed them. The next training session is scheduled for September 11 at BSU.

Round Table on "Who is the Ensurer of Ecological and Socio-Economic Sustainability at COP29" at BSU





Further contributing to public dialogue on sustainability, bsu organized a round table discussion titled "who is the ensurer of ecological and socio-economic sustainability?" the event took place within the framework of cop29-related activities. Participants, including academics, students, and policy experts, examined the responsibility of governments, universities, and civil society in ensuring environmental protection and balanced development. The roundtable emphasized interdisciplinary collaboration and long-term policy integration.



Training on "Startups and Innovations" for BSU Students



A training session on "Startups and Innovations" was conducted by Aqshin Nabizade, the founder and executive director of "Nomail" LLC, at the initiative of the Student Youth Organization of Baku State University (BSU).

During the training, students were informed about new innovative ideas and ways to establish a business. Additionally, discussions included market and risk assessment, preparing project presentations for investors, meeting preparation, teamwork strategies, selecting mentors, and seeking investors for startup projects. The goal of the training was to support the enhancement of knowledge and skills among youth in the field of startups. At the end, students had their questions regarding the topic answered.

The Education Student Credit Fund has conducted a training for BSU students

A training on how to prepare a CV was conducted for students benefiting from the education student credit fund, organized by the career and alumni center of BSU. The training, held for students from the faculties of information and document management, geography, applied mathematics and cybernetics, and philology, was led by representatives of the fund.

It was noted that learning the principles of cv preparation, structure, sequence, and proper writing style is a crucial step in every student's career. The trainers provided information on cv preparation, job search, key points to consider during interviews, how to set goals correctly, self-development, and career advancement. The training also covered common mistakes in cv preparation and ways to correct them, with participants' questions answered.

A "Youth to Business Forum" has been held at BSU



In addition, bsu hosted a **youth-to-business forum**, bringing together students and business leaders to explore innovative approaches to the sustainable development goals. The forum encouraged the exchange of ideas between the youth and private sector, providing networking opportunities and promoting entrepreneurial thinking aligned with social impact and sustainability. This initiative reflects bsu's strong commitment to youth empowerment and fostering future changemakers.

Together, these events and programs illustrate bsu's

Təhsil Tələbə Krediti Fondu

integrated approach to education, sustainability, and civic engagement—advancing not only academic excellence but also meaningful societal transformation.

FUTURE GOALS

It's essential for bsu to set clear, measurable goals in collaboration with its stakeholders to continue its mission of providing quality education, fostering a culture of equality, and contributing to sustainable development in azerbaijaN and beyond.





CONCLUSION

The key findings from the provided information about Baku State University (BSU) in Azerbaijan related to Sustainable Development Goal 8 (SDG 8), which focuses on decent work and economic growth, can be summarized as follows.

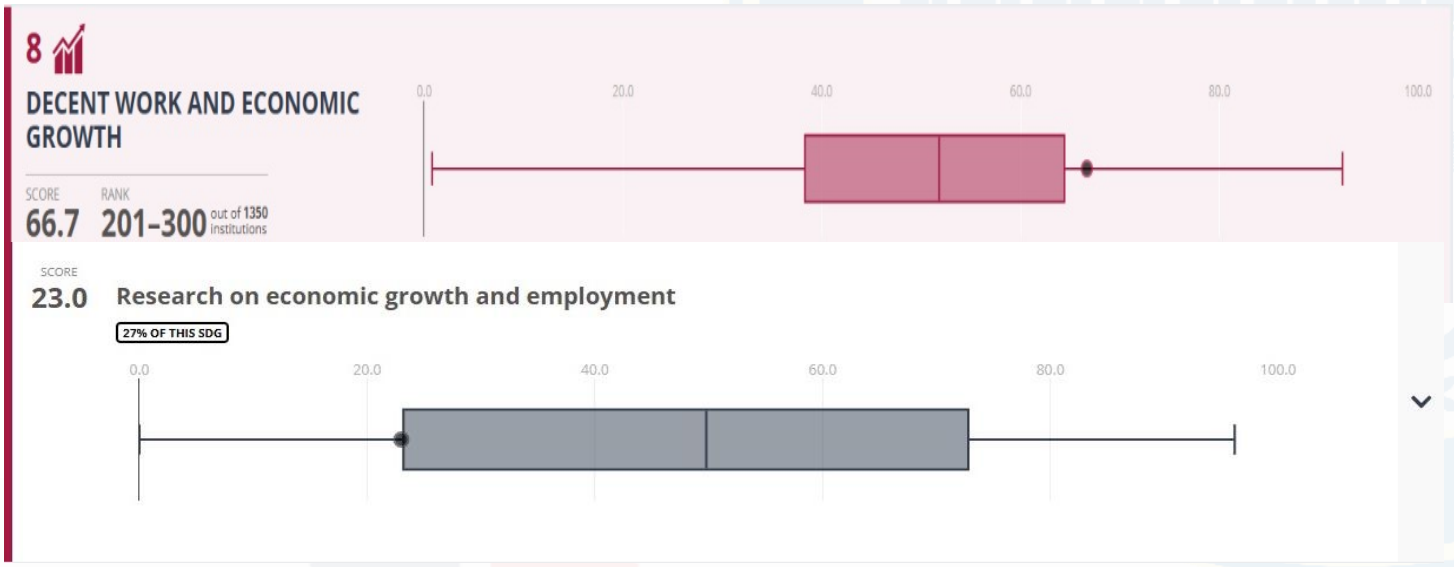


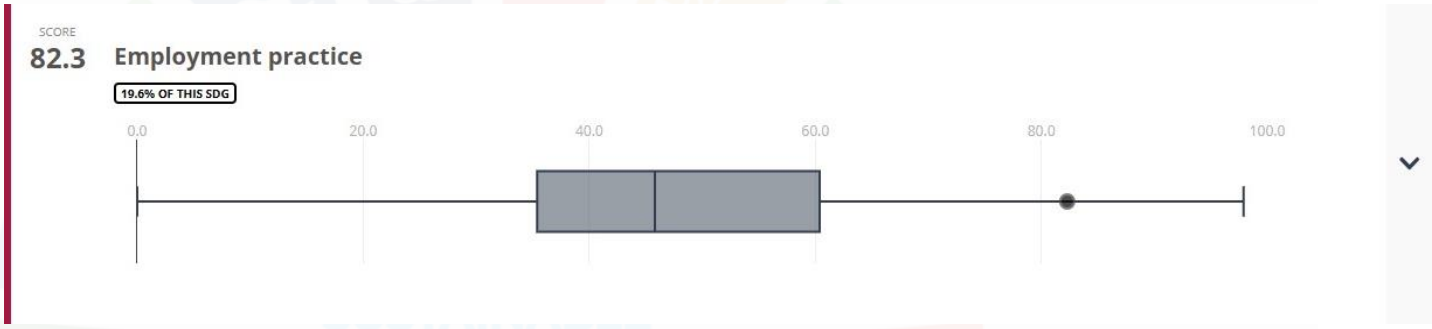
Trade Unions and Student Associations	• BSU's Trade Union has around 3,000 members and is one of the strongest in the country. • The "Independent Student Union" has over 13,000 members and plays an active role in decision-making. • A collective agreement is signed annually between BSU and the Trade Union.

Gender Equality and Human Rights	• A significant percentage of BSU leadership positions (deans, heads of departments) are held by women. • Gender-based discrimination and unequal pay are strictly prohibited. • BSU hosts the UNESCO Chair on Human Rights and Information Law.
Policies and Ethical Standards	• Anti-harassment,anti-discrimination, equality, transparency, and anti-corruption policies are officially adopted. • A Code of Ethics for academicians and staff was introduced.
Training and Social Sustainability	• Mandatory annual social sustainability training for students, faculty, and staff. • Topics include Diversity, Equity & Inclusion (DEI), Social Justice, Ethical Governance, Well-being, and Work-life Balance.
	• Skills Development Initiative focuses on time management, critical thinking, leadership, and teamwork.

Student Development and Startups	• Startup programs include "Viveka Company Creation Program" and "AI for Green Solidarity." • BSU's Enactus team won 3rd place at the Enactus Azerbaijan National Competition.
Social Cooperation and Projects	• A memorandum of cooperation was signed with the Social Services Agency under the Ministry of Labor and Social Protection. • Projects in social work, agriculture (Smart Agro Technologies), ecological sustainability, and inclusive education.
Student Support and Opportunities	• From 2021–2024, 1,684 students received education loans (494 social, 1,190 standard). • Loans are interest-free, with no repayment required during the study period. • Tutoring and mentoring programs were launched to provide academic and career support.

RANKING RESULTS







http://sdg.bsu.edu.az/

8 DECENT WORK AND ECONOMIC GROWTH

SCORE
63.9 **Expenditure per employee**

15.4% OF THIS SDG



SCORE
85.0 **Proportion of employees on secure contracts**

19% OF THIS SDG



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

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

http://sdg.bsu.edu.az/

8 DECENT WORK AND ECONOMIC GROWTH

MEMBERSHIPS:

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

ISCN
International Sustainable Campus Network

CANIE
climate action network

GUNI
GLOBAL UNIVERSITY NETWORK FOR INNOVATION

Research

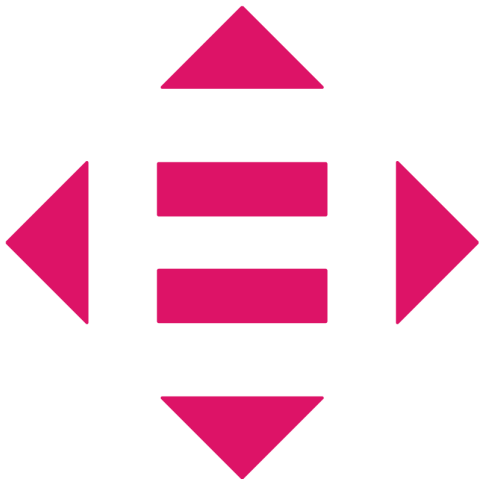
SDG contributions

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

2024 REPORT ON

10 REDUCED INEQUALITIES



INTRODUCTION

Baku State University (BSU) has implemented a comprehensive Anti-Harassment and Anti-Discrimination (AHAD) policy to ensure fair and non-discriminatory treatment of all applicants and individuals associated with the university. The policy promotes diversity, equity, and inclusion, and emphasizes creating an inclusive and welcoming environment for everyone. To ensure accountability, the university has a Disciplinary Committee to investigate violations of the policy, and an Appeal Commission to address student grievances. Short-term and long-term actions include training sessions, clear reporting mechanisms, victim support, and mentorship programs. Gender equity is a priority, with active tracking of applications and admissions to identify barriers.



BSU is committed to promote equality, diversity, and inclusion (EDI) among students and staff, with scheduled training and investigations of policy violations. Awareness campaigns, ongoing training, and seminars are conducted to educate about harassment and discrimination. Mentoring and coaching programs are planned for professional growth. The university also prioritizes accessibility for individuals with disabilities, providing physical access and collaborating with disability support organizations. Support services encompass academic assistance, counseling, and career guidance. An access scheme offers reasonable accommodations like extended exam times and assistive technologies, tailored to individual needs. Adequate funding is allocated to support these initiatives.

REDUCED INEQUALITIES SDG 10



BSU as a body has implemented an admissions policy that is non-discriminatory. This policy ensures that all applicants are evaluated based on their academic qualifications, personal achievements, and potential to contribute to the university community. The university takes pride in treating all applicants fairly and equally, without any form of discrimination based on race, gender, religion, or any other protected characteristic. The goal of the AHAD (Anti-Harassment and Anti-discrimination) policy is to guarantee that every person associated with the university recognizes their right to dignity and respect, irrespective of their race, color, national origin, religion, gender, age, marriage and parental status, handicap, or genetic information.

To ensure accountability, the university publicly posts its admissions policies. These policies are readily available on the university's official website, providing detailed information.

BSU strongly values diversity, equity, and inclusion, and is committed to creating an inclusive and welcoming environment for all. We believe that a diverse campus community enriches the educational experience and contributes to a more comprehensive understanding of the world.

The Disciplinary Committee performs independently and audits the violations of Code provisions, including any type of harassment and discrimination, and

renders legally enforceable verdicts. Students are also provided with education through seminars and training courses for regarding discriminations. An Appeal Commission conducts daily investigations into grievances and appeals from students regarding violations of the provisions of internal agreed Codes.

Promoting gender equity is a key priority for us. We actively track the applications and admissions of women to identify any potential barriers or disparities. BSU as a body takes planned actions in for the short-term and long-term period actions.

For the short-term period - holding frequent training sessions and workshops to increase awareness, setting up clear and confidential reporting mechanisms, delineating an investigative process mechanism, providing victim support centers, making surveys and analyzing feedback, starting mentorship programs and roundtable discussion.





For the long-term period, updating the policy and regulations for optimal outcomes, creating an environment with a sense of belonging for all, improving the reporting mechanisms, providing equal opportunities for all individuals, preparing

an interactive e-learning modules of prevention of harassment and anti-discrimination, making awareness campaigns and programs open to public — are actions to achieve the goal of the policy.

BSU strongly values diversity, equity, and inclusion, and is committed to creating an inclusive and welcoming environment for all students. The goal of the Anti-Harassment and Anti-discrimination policy is to guarantee that every person associated with the university recognizes their right to dignity and respect, irrespective of their race, color, national origin, religion, gender, age, marriage and parental status, handicap, or genetic information.











BSU promotes equality, diversity, and inclusion policy (EDI) among academic, administrative staff and students. Training for students, faculty, and administrative staff are scheduled according to the Quality Assurance Center's action plan. In addition, the Disciplinary Committee performs and investigates any

violations of equality, diversity, and inclusion policy and monitors its implementation.



For educating individuals about the types of harassment, discrimination and coping with it, BSU as a body makes awareness campaigns and programs, holds ongoing trainings and seminars due to the AHAD (Anti-Harassment and Anti-discrimination) and EDI (equality, diversity, and inclusion) policy. To establish several mentoring and coaching programs for creating professional growth is one of the planned actions for long-term period.



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.

The reasonable accommodation policy takes into consideration the diverse needs of individuals with disabilities and strives to provide appropriate support and adjustments to facilitate their full participation in all university activities. It recognizes that disabilities can vary greatly, and therefore, the accommodation measures are tailored to meet the specific requirements of everyone. In terms of funding, the university recognizes the importance of adequately funding disability services to ensure their effectiveness. It allocates financial resources to support the provision of reasonable accommodations and the maintenance of accessible facilities. This includes budgeting for assistive technology, accessible transportation, sign language interpreters, and other necessary resources.



A memorandum of understanding was signed with the Social Services Agency

BSU actively provides expert advice to local, regional, and national government bodies. This engagement occurs through several avenues. One of this kind of memorandum of cooperation was signed between BSU and the Social Services Agency under the Ministry of Labor and Social Protection of the Population.



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.

Baku State University Celebrates Success of Skills Development Resources Initiative



BSU proudly announces the successful implementation of its Skills Development Resources Initiative; a transformative program aimed at equipping students with essential study and soft skills to excel both academically and professionally. This milestone reflects BSU's unwavering commitment to fostering well-rounded individuals ready to thrive in a rapidly changing world.

Key Achievements of the Initiative:

1. Mastering Time Management
2. Strengthening Critical Thinking
3. Fostering Teamwork and Leadership
4. Impact on Student Success

Meeting on awareness events on the field of social work

A meeting was held between the Department of Social Work of the Faculty of Social Sciences and Psychology of BSU and the employees of the State Social Protection Fund (DSMF) within the framework of the "Education in the field of social work" project.

The main goal of the project is to inform students about the activities of the DSMF, the social reforms carried out in the country, the applied innovations, and the coordination of the activities with social work education.







Baku State University Introduces Comprehensive Tutoring and Mentoring Programmes

In its unwavering dedication to student achievement and academic excellence, BSU is proud to announce the launch of a comprehensive series of tutoring and mentoring programs. These initiatives are designed to provide students with personalized academic guidance while fostering meaningful connections between students, faculty, and experienced mentors. The newly introduced programs aim to bridge the gap between students' academic aspirations and the challenges they face in their studies. By pairing students with skilled tutors and mentors, BSU ensures that every participant receives tailored support in a variety of academic disciplines.

From understanding complex concepts to developing strategies for tackling difficult coursework, the programs cater to a wide range of individual needs.

Highlights of the Programs:

- ✓ Regular one-on-one tutoring sessions for in-depth academic support.
- ✓ Group mentoring events that promote collaborative learning and peer interaction.
- ✓ Seminars and workshops focused on career readiness, soft skills, and leadership development.
- ✓ Online and in-person options to accommodate diverse schedules and learning preferences.

Core Objectives of the Tutoring and Mentoring Programs:

- ✓ Personalized Academic Guidance: Students receive one-on-one or group support to strengthen their understanding of challenging subjects. Tutors work closely with participants to create customized study plans and strategies that align with their academic goals.
- ✓ Mentorship for Growth: Students are paired with experienced mentors who provide not only academic assistance but also career advice, life skills training, and personal development guidance. This holistic approach equips students to navigate both academic and professional environments with confidence.
- ✓ Enhanced Learning Opportunities: These programs address individual learning challenges, encourage critical thinking, and improve problem-solving skills, empowering students to excel in their studies.

- ✓ Building Connections: By fostering collaboration and dialogue between students and faculty, the programs create a supportive academic community that inspires learning and mutual growth.



Open dialogue on "Gender issues in Azerbaijan" at BSU

The Learning Development Center at 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.

The session concluded with an interactive Q&A, where students' questions on the topic were addressed.







8th International Conference on Sustainable Management (ICSM) Held in Hybrid Format in Bangkok, Thailand

The 8th International Conference on Sustainable Management (ICSM) successfully concluded on July 12, 2024, uniting a global community of experts, researchers, and practitioners in the field of sustainability. Hosted in a hybrid format at Krirk University, Bangkok, Thailand, the conference facilitated both in-person and virtual engagement.

One of the key presentations focused on the impact of higher education institutions and strategic partnerships in advancing the Sustainable Development Goals (SDGs), highlighting a comprehensive case study from a leading university. The presentation underscored the integral role that universities play in addressing global sustainability challenges through research, education, and collaboration.

Highlighted initiatives included:

- ✓ **University-Business Partnerships:** Collaborative efforts between the university and industry to foster innovation and sustainability.
- ✓ **Research Projects:** Cutting-edge research aimed at addressing global sustainability challenges.
- ✓ **Curriculum Development:** Integration of sustainability concepts into the university's curriculum to educate future leaders.
- ✓ **Sustainability Campus Initiatives:** Efforts to create a more sustainable campus environment through various green initiatives.



It was emphasized that embedding sustainability across all functions of a university—teaching, research, partnerships, and campus operations—is essential for meaningful progress towards the SDGs. Collaborative engagement with industry and stakeholders was identified as a key factor in amplifying this impact.

The ICSM remains a vital platform for exchanging best practices, fostering dialogue, and building networks in the field of sustainable management. The hybrid format of this year's conference enabled broader, more inclusive participation from around the world.

A new specialization will be opened at BDU: Methods and Methodology of Corrective Education



BSU continues to demonstrate its commitment to academic innovation and sustainable development through a series of progressive educational and research-based initiatives.

A major development includes the launch of a new master's specialization titled *"Methods and Methodology of Corrective Education."* This program, introduced by the Faculty of Social Sciences and Psychology, is designed to address the growing demand for professionals trained in corrective and inclusive education. The curriculum will focus on both theoretical and practical approaches, enabling future specialists to effectively support individuals with behavioral and developmental challenges. This move reflects BSU's alignment with SDG 4 – Quality Education, emphasizing inclusivity and equal access to education for all.



Baku State University Hosts Grand Freshman Orientation Event

Beyond program development, bsu is also focusing on enhancing the student experience. A large-scale *freshman orientation event* was recently held to help newly admitted students integrate smoothly into academic life. The event included detailed campus tours, overviews of academic policies, and interactive sessions with faculty and student clubs. This initiative



reflects the university's commitment to creating a supportive and inclusive environment that empowers students from the beginning of their academic journey.

MEETING WITH REPRESENTATIVES OF THE EDUCATION STUDENT LOAN FUND AT BSU

BSU continues to reinforce its role as a proactive institution in the fields of education, sustainability, and youth engagement through a series of targeted initiatives and collaborations with national and international stakeholders. A key example of this engagement was a recent meeting between bsu and representatives of the education student loan fund. The discussions focused on enhancing student access to educational loans and financial support systems. This collaboration aims to ensure that higher education becomes more inclusive and financially accessible, aligning with national priorities on equitable education and capacity building.







Round Table on "Who is the Ensurer of Ecological and Socio-Economic Sustainability at COP29" at BSU



Further contributing to public dialogue on sustainability, BSU organized a round table discussion titled "who is the ensurer of ecological and socio-economic sustainability?" the event took place within the framework of COP29-related activities. Participants, including academics, students, and policy experts, examined the responsibility of governments, universities, and civil society in ensuring environmental protection and balanced development. The round table emphasized interdisciplinary collaboration and long-term policy integration.



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

In connection with COP29, bsu also hosted an international event titled **“sustainable development goals and universities: international cooperation experience.”** This forum provided a platform for universities to share their experiences in advancing the SGDs through global partnerships. The event underscored the importance of academic diplomacy and joint research in accelerating the implementation of sustainability-related goals at both institutional and international levels.





The Education Student Credit Fund has conducted a training for BSU students

A training on how to prepare a CV was conducted for students benefiting from the education student credit fund, organized by the career and alumni center of Baku State University. The training, held for students from the faculties of information and document management, geography, applied mathematics and cybernetics, and philology, was led by representatives of the fund.

It was noted that learning the principles of CV preparation, structure, sequence, and proper writing style is a crucial step in every student's career. The trainers provided information on CV preparation, job search, key points to consider during interviews, how to set goals correctly, self-development, and career advancement. The training also covered common mistakes in cv preparation and ways to correct them, with participants' questions answered.

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



BSU hosted a **youth-to-business forum**, bringing together students and business leaders to explore innovative approaches to the sustainable development goals. The forum encouraged the exchange of ideas between the youth and private sector, providing networking

opportunities and promoting entrepreneurial thinking aligned with social impact and sustainability. This initiative reflects BSU's strong commitment to youth empowerment and fostering future changemakers. Together, these events and programs illustrate bsu's integrated approach to education, sustainability, and civic engagement—advancing not only academic excellence but also meaningful societal transformation.

Awards presented to volunteers engaged in BSU social activities



BSU recognized volunteers who have been actively engaged in the university's social life. At a meeting with the administration, it was emphasized that the volunteer movement is an important part of youth activities in the country. The "BSU Volunteers" organization has contributed significantly to international and national events, social projects, and humanitarian initiatives, while also supporting university departments and faculties. Volunteers were praised for their contributions and encouraged to continue their efforts and take on new initiatives. The event concluded with awards to those who excelled in public life and supported key events such as Graduate Day and the spring exam session of the academic year.







A meeting of the regional section of the II International scientific-practical conference on inclusive education was held at the Kazakh branch of BSU



A regional session of the international scientific-practical conference "from inclusive education to inclusive society" (itic 2024) was held at the Kazakh branch of BSU, jointly organized by the Ministry of Science and Education, BSU, and Baku Slavic University. Speakers highlighted Azerbaijan's progress in developing inclusive education since 2005, supported by a strong legislative framework and national programs ensuring equal educational opportunities for persons with disabilities. The conference focused on strategies for integrating individuals with limited health opportunities into education and society, emphasizing social equality. Participants delivered presentations on topics such as improving curriculum, advancing inclusive practices, enhancing higher education content, fostering socialization, supporting students with disabilities, and



aligning inclusive education with labor market needs. The event concluded with certificates awarded to participants.









CONCLUSION

The key findings from the provided information about Baku State University's policies and initiatives are as follows:



Non-Discriminatory Admissions Policy	BSU has implemented an admissions policy that is non-discriminatory, focusing on evaluating applicants based on academic qualifications and personal achievements, without any discrimination based on protected characteristics such as race, gender, religion, etc.
Diversity, Equity, and Inclusion (EDI) Commitment	The university strongly values diversity, equity, and inclusion and is dedicated to creating an inclusive and welcoming environment for all, recognizing the educational and societal benefits of a diverse campus community.
Accountability Mechanisms	To ensure accountability, the university has established the Disciplinary Committee to investigate violations of its policies, including harassment and discrimination. An Appeal Commission handles student grievances.

Gender Equity Focus	Promoting gender equity is a key priority, with active monitoring of applications and admissions to identify potential disparities and barriers for women.
Short-Term and Long-Term Actions	The university has outlined short-term and long-term actions to achieve its goals, including awareness campaigns, clear reporting mechanisms, victim support, mentoring programs, and updating policies and regulations.
Education and Training	BSU conducts ongoing training sessions, seminars, and awareness campaigns to educate individuals about harassment and discrimination. It also offers mentoring and coaching programs for long-term professional growth.
Support for Individuals with Disabilities	The university actively promotes accessibility for individuals with disabilities, including physical access, comprehensive support services, and reasonable accommodations through an access scheme.
Tailored Accommodations	Accommodations for individuals with disabilities are tailored to their specific needs, recognizing the diversity of disabilities.
Financial Support for Disability Services	BSU allocates financial resources to support the provision of reasonable accommodations, assistive technology, accessible transportation, and other

	necessary resources to ensure the effectiveness of disability services.

In summary, BSU is committed to creating an inclusive and non-discriminatory environment, actively addressing harassment and discrimination, promoting gender equity, and providing support and accommodations for individuals with disabilities.



FUTURE GOALS



BSU has already taken important steps to promote diversity, equity, and inclusion, address harassment and discrimination, and support individuals with disabilities. To further enhance its efforts, here are some future steps that BSU can consider:



By continuing to focus on these future steps, BSU can further strengthen its commitment to diversity, equity, and inclusion, and create a more inclusive and welcoming environment for all members of its community.

http://sdg.bsu.edu.az/

10 REDUCED INEQUALITIES

Ranking Results

THE IMPACT RANKINGS

10 REDUCED INEQUALITIES

QUALIFYING SDG · 26% OF OVERALL

SCORE 80.7 RANK =53 out of 1261 institutions



SCORE 82.0 **Research on reduced inequalities**

27% OF THIS SDG



SCORE 78.4 **First-generation students**

15.5% OF THIS SDG



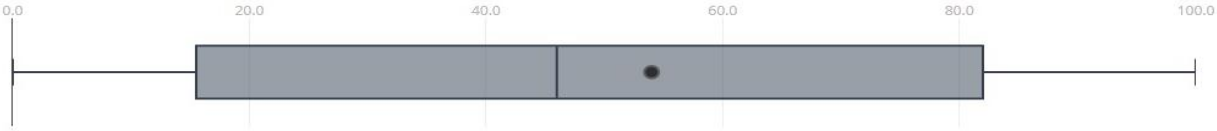
SCORE 84.3 **Students from developing countries**

15.5% OF THIS SDG



SCORE 54.0 **Proportion of students with disabilities**

11.5% OF THIS SDG



http://sdg.bsu.edu.az/

10 REDUCED INEQUALITIES

SCORE
92.3 **Proportion of employees with disabilities**

11.5% OF THIS SDG



SCORE
86.6 **Measures against discrimination**

19% OF THIS SDG



OVERALL RANK

THE IMPACT RANKINGS

401–600 out of **2318** institutions

10

REDUCED INEQUALITIES

QUALIFYING SDG - 26% OF OVERALL

SCORE **80.7**

RANK **=53** out of **1261** institutions



http://sdg.bsu.edu.az/

MEMBERSHIPS:

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

ISCN
International Sustainable Campus Network

CANiE
climate action network

GUNi
GLOBAL UNIVERSITY NETWORK FOR INNOVATION

http://sdg.bsu.edu.az/

10 REDUCED INEQUALITIES

Research

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

2024 REPORT ON

11 SUSTAINABLE CITIES AND COMMUNITIES



INTRODUCTION



BDU

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



Scientific Library of the BSU is one of the richest libraries in our country. The library was created in the foundation year and played an important role in the structure of the university. Today Scientific Library is the cultural and spiritual center of the students and teachers, which works with 49 universities of the 21 countries in the exchange of information.

The first university museum in our country was established at BSU in 1919. Today, the Heydar Aliyev Museum, the History Museum of BSU, the Museum of Minerals, the Museum of Archeology and Ethnography, and the Museum of Evolutionary Education operate in BSU. The interactive nature of museum activity is extremely important for students, teachers, and researchers, as well as for the public who benefit from this space.



Cultural and Creative Center operates at BSU. The cultural-creative center was created based on the self-activity club. The Center has an Instrumental and Dance ensemble of girls and boys, a Choir group, and a Drama club. The center works towards the involvement of especially talented students in self-activity.



It also carries out the technical equipment of BSU assembly halls and conference rooms, participates in all significant events organized by the university, including the Ministry of Education and the Confederation of Trade Unions, "Student Spring" and other festivals of the Ministry of Youth and Sports, national holidays, and events held in foreign countries.

BSU is engaged in teaching, education, and training related to folklore, old traditions, languages, and knowledge. Many students are carrying out research on different noble personalities of Azerbaijan and other countries. On the other hand, the Government is also focusing on the work and life of nationally reputed figures. Cultural and Creative Center periodically organized events related to national and international folklore and traditions.



BSU is an institution where some of the nation's first-rated intellects lead 127 academic departments and associative research units concentrating on the country's substantial issues.

We instill our students to go forth with an ambitious spirit while pursuing their own intentions. The University became one of the country's leading institutions since it integrated its education system into the European 3 cycled education system (Bachelor, Master and PhD) in 1993. All three levels of higher education and staff training are carried out in the University - Bachelor's, Master's, Doctoral (PHD) levels, according to the European credit transfer system.



Lectures and researchers have flexible time to teach and to do their investigations. Also, the university established online platform for teachers and students to communicate and to tasks remotely. BSU has some affordable housing for its faculty and staff in a bid to help employees avoid getting priced out of Baku's roaring housing market. "Student house" is designed for both foreign and local students. The dormitory has 104 standard student rooms and 2 guest rooms. Conditions meeting modern standards have been created in the "student house", the rooms are equipped with necessary furniture, household appliances, and a heating system. There will be a library equipped with the necessary literature and visual aids - a reading room, a meeting room, a leisure room, a kitchen, a laundry room, and a dining room equipped with all the necessary equipment. BSU has 2 entrances for pedestrian access.



BSU STUDENTS WILL IMPLEMENT THE PROJECT THAT INCREASES THE ENVIRONMENTAL LITERACY



Students from BSU's Faculty of Ecology and Soil Science, Nijat Hasanov and Fidan Ganiyeva, led the "Ekonəfəs" project, which secured first place at the networking meeting organized by the Youth Fund of the Republic of Azerbaijan in collaboration with the "Supporting Youth Education" Public Union.



As part of the "Year of Solidarity for the Green World" initiative, participating youth teams presented their proposed projects to a panel of experts, with "Ekonəfəs" emerging as the top project among eight submissions and receiving a prize of 3,000 manats.

Implemented under the slogan "Ekonəfəs," the project is primarily aimed at enhancing environmental literacy among young people, fostering awareness, and encouraging sustainable practices.





SCIENTIFIC SEMINAR ON "GREEN LIBRARIES"



A scientific seminar dedicated to the “Year of Solidarity for the Green World” was held at the Faculty of Information and Document Management of BSU with the participation of professors, academic staff, and postgraduate students. Associate Professor Nadir Ismayilov, Head of the Department of Document Management, delivered a comprehensive report on “Green Libraries,” emphasizing the historical

significance of President Ilham Aliyev's Decree declaring 2024 as the "Year of Solidarity for the Green World" and noting the symbolic importance of Azerbaijan hosting the 29th session of the Conference of the Parties to the UN Framework Convention on Climate Change during this year. The report outlined the concept of green libraries as an innovative direction in library and information sciences, detailing their mission, architectural principles, and functional scope at a modern scientometric level, while also addressing their global evolution, standardization, branding, certification, and the role of international organizations in supporting this movement. It was underscored that successful implementation of the green library model requires integrating environmental, economic, and social sustainability, ensuring architectural harmony with nature, and developing infrastructure that conserves resources while enhancing human and environmental health.





Highlighting Azerbaijan's resources and potential in this field, the speaker stressed the strategic importance of applying the green library concept in rebuilding the library infrastructure of the liberated Karabakh and Eastern Zangezur regions. The seminar attracted strong interest and fostered in-depth discussions among participants.

EXCURSION TO BAKU ZOOLOGICAL PARK



On the occasion of March 3 – World Wildlife Day, members of the "BSU Volunteers" organization of the Faculty of Ecology and Soil Science at BSU organized an excursion to the Baku Zoological Park. During the visit, participants received detailed information on the protection and reintroduction programs for endangered species listed in the "Red Book" of Azerbaijan, as well as the park's role in preserving unique fauna.



Established in 1928, the Baku Zoological Park underwent major reconstruction initiated in 2017 by the "International Dialogue for the Protection of the Environment" Public Association (IDEA) and was reopened in 2021 with its area expanded from 2.25 to s4.25 hectares.



Currently, the park houses 125 plant and animal species, 22 of which are included in the “Red Book,” alongside 62 aquatic and terrestrial species in its aquaterrarium.

The park plays a significant role in safeguarding the genetic diversity of rare and endangered species, with many successfully bred animals being released back into their natural habitats.











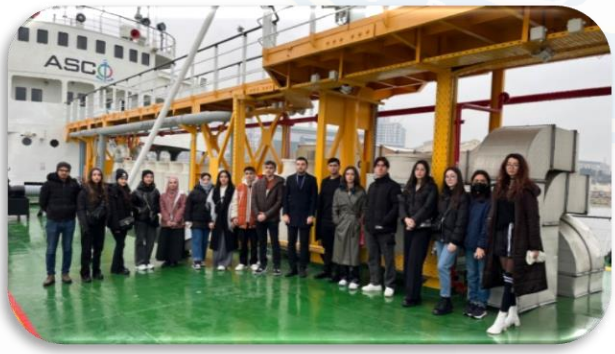
BSU VOLUNTEERS VISITED SURAKHANI SHIP MUSEUM



The members of the "BSU Volunteers" organization at BSU organized an educational excursion to the "Surakhani" ship-museum, operated by the Azerbaijan Caspian Sea Shipping CJSC (ASCO). As the world's first museum established on a tanker-type vessel, the "Surakhani" represents a unique intersection of maritime history and technological innovation. During the visit, students were provided with in-depth information on the ship's transformation into a museum and the broader historical development of maritime transport in Azerbaijan.

They explored various exhibition halls equipped with state-of-the-art technology, which vividly illustrate the evolution of the Caspian Sea, the history of oil extraction in the Absheron Peninsula, and the advancement of shipping in the region.





The museum also showcases ancient navigation tools, marine knots with a history spanning nearly 5,000 years, and a wide array of equipment used in ship operations, offering students a comprehensive insight into the maritime heritage of Azerbaijan.



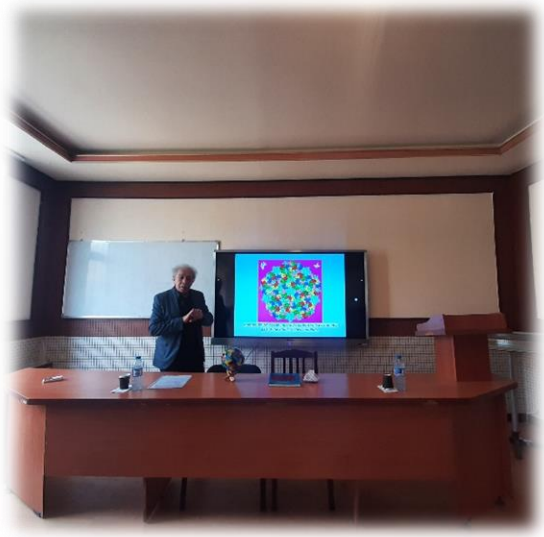

ÜMUMMİLLİ LİDER HEYDƏR ƏLİYEV
NATIONAL LEADER HEYDAR ALIYEV




KHANKƏNDİ
XANKƏNDİ


SURAXANI

BSU HOSTS WORKSHOP TITLED CRYSTALS, QUASICRYSTALS, AND APPLIED FOLK ART



Professor Imamaddin Amiraslanov, Head of the Crystallography Laboratory at the Institute of Physics, delivered a presentation entitled *"Crystals, Quasicrystals, and Applied Folk Art,"* in which he addressed fundamental advances in crystallography, particularly the discovery of the quasicrystalline state of matter—distinct from crystalline and amorphous phases—a breakthrough recognized with the Nobel Prize. He underscored the significance of Penrose networks and Einstein's concept of the "monotile" in resolving complex crystallographic problems, while also presenting a comparative analysis of structural principles reflected in medieval Eastern geometric ornamentation. The workshop additionally featured contemporary artworks inspired by tessellation and concluded with an interactive question-and-answer session.



CLEANING ACTION WITHIN THE FRAMEWORK OF THE YEAR OF SOLIDARITY FOR A GREEN WORLD



Within the framework of the “Youth Week 2” project, the Student Youth Organization (STU) of BSU organized a cleaning campaign dedicated to the “Year of Solidarity for the Green World.” The initiative brought together active members of the organization and students from various faculties, who collectively engaged in waste collection across the university’s territory.



The campaign aimed not only to improve environmental cleanliness within the campus but also to instill ecological responsibility among young people and strengthen their participation in environmental protection efforts. By fostering a culture of sustainability and community engagement, the event underscored the critical role of youth in promoting ecological awareness and contributing to the preservation of a clean and healthy environment.

BSU STUDENTS AT THE "FROM WASTE TO ART" MUSEUM



As part of the “Year of Solidarity for the Green World” initiatives, students of the Faculty of History at BSU visited the “From Waste to Art” museum, located within the “Gala” State History-Ethnography Reserve and established with the support of the Heydar Aliyev Foundation. The museum, which features works exhibited at the international “From Waste to Art” project, demonstrates how discarded objects and waste materials can be transformed into artistic creations, thereby raising awareness of pressing environmental challenges and promoting sustainable practices through cultural expression.





During the visit, students gained insights into the intersection of art and environmental responsibility before exploring the broader reserve, including the medieval castle walls and archaeological artifacts dating back to the 14th–15th centuries. This excursion not only enriched their historical knowledge but also emphasized the significance of integrating ecological awareness into cultural and educational experiences.

A GROUP OF STUDENTS OF THE BIOLOGY FACULTY OF BSU HAD AN ENVIRONMENTAL ACTION IN ABSHERON NATIONAL PARK

A group of students from the Faculty of Biology of BSU organized an environmental action under the slogan *"We are ahead"* in Absheron National Park, with the support of the park administration and the faculty. The initiative, dedicated to the "Year of Solidarity for the Green World," sought to raise environmental awareness and promote sustainable practices. As part of the campaign, young biologists engaged in a bicycle ride to encourage healthy lifestyles and advocate for reduced carbon emissions as a measure against climate change.



The students also studied endangered plant species such as *Calligonum bakuense* and *Astragalus bakuensis*, emphasizing the impact of human activities and climate change on biodiversity. Furthermore, the event highlighted the role of ecological tourism in cultivating environmental consciousness and responsibility among youth.



The initiative is planned to be extended to other national parks, reinforcing the commitment of BSU students to environmental protection throughout the "Year of Solidarity for the Green World."

THE STUDENT SCIENTIFIC SOCIETY OF BSU LAUNCHES SEMINAR IN COMMEMORATION OF THE YEAR OF SOLIDARITY FOR A GREEN WORLD





The Student Scientific Society (SSC) of BSU has initiated a seminar series aligned with the "Year of Solidarity for the Green World," engaging faculties including Chemistry, Physics, Geography, History, Ecology, and Soil Science. Mais Süleymanov, Director of BSU's Center for Organization of Scientific Activities and Innovations, emphasized that one of Azerbaijan's five national socio-economic

priorities until 2030 is the development of a “Country of clean environment and green growth.”

In line with this priority, the seminar series seeks to promote environmental awareness, support reforestation, ensure sustainable use of water resources and energy, and foster scientific engagement through conferences, seminars, masterclasses, competitions, and Olympiads focused on ecological sustainability.





The seminar featured interdisciplinary student presentations addressing key environmental challenges and solutions. Tahira Huseynzade (Ecology and Soil Science) analyzed sustainable urban planning practices, citing global examples such as Copenhagen, Singapore, and Vancouver, and discussed upcoming greening and recycling initiatives in Azerbaijan.



Aygün Azizova (Geography) highlighted innovative technologies and green infrastructure for sustainable urban development, while Ugur Kismatli (History) explored the role of geography in anthropogenesis and cultural evolution. Gulben Mammadova (Chemistry) focused on green fuels as eco-friendly alternatives to fossil energy, and Orkhan Gulahmadov with Gurban Mammadli (Physics) presented on renewable and hybrid energy systems, emphasizing hydroelectric power plants and their technological, environmental, and residential applications. Collectively, the seminar underscored the importance of interdisciplinary approaches and youth-led initiatives in advancing environmental responsibility, sustainable development, and national ecological priorities.







ANKARA UNIVERSITY OF SOCIAL SCIENCES IN TURKEY HOSTS SEMINAR AT BSU ON IMPLEMENTING SOCIO-VILLAGE SYSTEMS IN UNIVERSITIES



Representatives from Ankara University of Social Sciences in Turkey conducted a two-day seminar at BSU focusing on the integration of socio-village systems and ecosystems within university environments. Opening the seminar, BSU Vice-Rector for Social Issues, Student Affairs, and Public Relations, Alish Aghamirzayev, emphasized the strong bilateral cooperation in social sciences, noting last year's memorandum of understanding between the two institutions and their joint participation in the Erasmus+ K171 exchange program.





The seminar aimed to explore the application of Ankara University's socio-village model at BSU, building upon insights gained during the BSU delegation's visit to the Social Village in Ankara. Professors Erdal Akdeve and Çetin Öndar presented on the implementation of socio-village systems and ecosystems in higher education, highlighting the importance of fostering an innovation ecosystem, establishing technology parks, and enhancing faculty and staff capacity in social innovation. The discussions further addressed strategies for supporting student-led innovative initiatives and providing the necessary resources to cultivate and implement these ideas within the university framework.

AWARDS PRESENTED TO VOLUNTEERS ENGAGED IN BSU SOCIAL ACTIVITIES

Volunteers actively contributing to the social life of BSU were recognized in a meeting with Vice-Rector for Social Issues, Student Affairs, and Public Relations, Alish Agamirzayev, who emphasized the pivotal role of volunteerism in youth engagement across the country. Highlighting the achievements of the "BSU Volunteers" organization, he noted its significant involvement in national and international events, social projects, and humanitarian initiatives, as well as its contribution to advancing youth policy and volunteer movements. Agamirzayev commended members for their active participation in both academic and social

aspects of university life, encouraged the continuation of their efforts, and called for new initiatives. The session also included a question-and-answer segment and concluded with awards presented to outstanding volunteers for their exceptional contributions to BSU's public life, including activities such as Graduate Day and the spring 2023/2024 exam session.









8TH INTERNATIONAL CONFERENCE ON SUSTAINABLE MANAGEMENT (ICSM) HELD IN HYBRID FORMAT IN BANGKOK, THAILAND

The 8th International Conference on Sustainable Management (ICSM), held in a hybrid format at Krirk University, Bangkok, brought together global experts to discuss sustainable development strategies. Associate Professor Rauf Hasanov, Head of the International Relations Office at BSU (BSU), presented on “The Impact of Higher Education and Partnerships in Promoting Sustainable Development: BSU Case,” highlighting the university’s multifaceted approach to advancing the Sustainable Development Goals (SDGs). His presentation emphasized BSU’s initiatives in fostering university-business partnerships, conducting research addressing global sustainability challenges, integrating sustainability into curricula, and implementing campus-wide green initiatives. Hasanov underscored the critical role of higher education institutions in promoting sustainability and noted that collaboration with industry and stakeholders is essential for meaningful progress toward the SDGs. The ICSM served as a key platform for exchanging innovative ideas, with the hybrid format enabling broad international participation and knowledge sharing.



NEW SPECIALIZATION AT BSU: ENVIRONMENTAL ENGINEERING



Starting from the upcoming academic year, BSU will introduce a bachelor's program in "Environmental Engineering" at the Faculty of Ecology and Soil Science, designed to equip students with comprehensive expertise in environmental protection, ecological problem-solving, water treatment technologies, soil reclamation, and the development of mathematical models for natural processes. The curriculum encompasses waste recycling systems, GIS applications, ecological and aerospace technologies for agricultural productivity, ecological design, environmental monitoring, and analysis of terrestrial and satellite imagery. Students will also be trained in identifying and mitigating major pollution sources, protecting the atmosphere, hydrosphere, and lithosphere from industrial contamination, and managing environmental hazards from technological processes and forest fires, including sewage treatment and risk assessment of noise, vibration, electricity, and radiation impacts. Graduates will be prepared for careers in environmental protection, energy systems, transportation, oil and gas, chemical industries, waste management, agriculture, and aerospace research, gaining practical experience through internships at BSU, the Ministry of Ecology and Natural Resources, the National Aerospace Agency, "Azercosmos" OJSC, and other relevant organizations.

BSU WILL TRAIN SPECIALISTS IN THE CITY CADASTRE SPECIALIZATION FOR THE 2024-2025 ACADEMIC YEAR

Starting from the 2024/2025 academic year, BSU's Faculty of Ecology and Soil Science will introduce a new specialization in "City Cadastre," focusing on the comprehensive management of urban data encompassing legal, environmental, and economic dimensions, including the organization, registration, and analysis of cadastral information. This program addresses the need for modern urban management in the context of the recent restoration of cities in Eastern Zangezur and Karabakh, emphasizing smart city solutions, sustainable transportation, and green energy. It equips students with expertise in urban planning, topography, soil science, and environmental protection, while aligning with national priorities such as the development of transport corridors, industrial parks, and international economic integration. Graduates will gain practical experience through collaborations with institutions including the State Service for Real Estate Affairs, the Urban Planning and Architecture Committee, and "Azerkosmos" OJSC, preparing them to contribute effectively to sustainable and technologically advanced urban management.



BSU WILL START PREPARING FOR PERSONNEL TRAINING IN CULTURAL LAW

Starting from the new academic year, BSU's Faculty of Law, through its UNESCO Department of Human Rights and Information Law, will offer a master's program specializing in "Cultural Law," designed to advance the study and practice of cultural law both internationally and nationally. The curriculum encompasses legal frameworks governing cultural activities, institutional competencies, national legislative analysis, regulations for cultural services, international cultural law, and the protection of human rights within cultural contexts. The program aims to develop a generation of legal professionals equipped with the expertise to safeguard, manage, and promote cultural heritage effectively.



STUDENT ADMISSION ANNOUNCEMENT FOR BSU'S FACULTY OF ECOLOGY AND SOIL SCIENCE



BSU's Faculty of Ecology and Soil Science offers undergraduate programs in Ecology, Environmental Engineering, Soil Science and Agrochemistry, and Land Management and Real Estate Cadastre, supported by five specialized departments and a modern research laboratory within the university's R&D and Innovation Excellence Center. The faculty equips students with both theoretical knowledge and practical skills, preparing them for careers in leading state institutions such as the Ministry of Ecology and Natural Resources, Ministry of Agriculture, and the Food Safety Agency, as well as in industries including energy, oil and gas, waste management, transportation, and urban planning. Instruction is provided in Azerbaijani, Russian, and English, ensuring comprehensive professional training aligned with national and international standards.

PARLIAMENT MODEL SIMULATION ON THE TOPIC OF SUSTAINABLE DEVELOPMENT GOALS AT BSU





The “BDU Volunteers” organization at BSU organized a Parliament Model Simulation on the theme of the Sustainable Development Goals (SDGs), where students debated political issues, assessed strategies for achieving the SDGs, and addressed national priorities such as post-conflict realities and landmine clearance. The simulation culminated in the adoption of a legislative proposal reflecting the SDGs, reinforcing the role of youth in policymaking. Serving as a non-formal educational platform, the initiative not only deepened students’ understanding of parliamentary processes and governance but also strengthened their analytical, debating, and problem-solving skills in the context of sustainable development.



AN INTERNATIONAL SCIENTIFIC CONFERENCE HAS BEEN HELD ORGANIZED BY BSU AS PART OF BAKU CLIMATE ACTION WEEK

BSU, as part of Baku Climate Action Week, hosted the international scientific conference *"Accelerating Research and Collaboration for Climate Action,"* which brought together leading scholars, policymakers, and international experts to address the urgent challenges of climate change. The conference emphasized the role of empirical data, artificial intelligence, and advanced analytics in forecasting and combating climate change, the management of transboundary water resources, and the importance of global and regional cooperation mechanisms. In his opening remarks, BSU Rector Elchin Babayev highlighted Azerbaijan's commitment to advancing climate solutions, noting its upcoming role as host of COP29 and the declaration of 2024 as the "Year of Solidarity for a Green World." High-level participants, including representatives from the National Assembly, the Ministry of Science and Education, the National Academy of Sciences, and COP29 climate champions, stressed the critical need for education, scientific innovation, and agile policies in achieving sustainable outcomes. The conference's multidisciplinary sessions addressed both ecological and socio-economic dimensions of climate change, underscoring the necessity of international collaboration, data-driven strategies, and innovative technologies to ensure a resilient and sustainable global future.



BSU TEAM HAS SECURED A SPOT IN THE FINAL OF THE INTERNATIONAL COMPETITION WITH THEIR "SUPERCAPBACK" PROJECT



BSU team *"BSU Creativity Workz"* has advanced to the final of the *E-Mobility Innovation and Startup Competition* at the *EV Charge Show 2024* in Istanbul, Turkey, scheduled for November 13–15, 2024. This global conference, held annually since 2022, unites electric vehicle manufacturers and next-generation charging station developers to advance battery and charging technologies, support innovative digital solutions, and promote clean energy initiatives. In 2024, the event is expected to attract over 20,000 participants and more than 300 companies from over 40 countries, with the competition featuring 220 project submissions and eight finalists, including BSU's *"SuperCapBack"* project.

Developed at BSU's Student Scientific and Technical Creativity Center, the *SuperCapBack* project introduces a hybrid energy storage system combining dual-layer EDLC supercapacitors with Li-ion batteries. This design mitigates efficiency losses and extends battery lifespan caused by fluctuating currents from regenerative braking and high amperage demands during acceleration in electric vehicles. By integrating supercapacitors, an AC-DC converter, and a cooling system into the input and output current pathways, the project enhances overall battery performance, providing a more durable and efficient energy solution for sustainable electric mobility.

NEW UNIQUE PROJECT – "ECO SPACE" AT THE UNIVERSITY



BSU has actively positioned itself at the forefront of environmental protection and sustainable development, aligning with Azerbaijan's national priorities for 2030, particularly the focus on "A Clean Environment and a 'Green Growth' Country." The University has expanded its scientific research and educational initiatives in climate action, ecological awareness, and green technologies, engaging faculty, researchers, and students in practical and innovative projects. BSU's membership in the Association for the Advancement of Sustainability in Higher Education (AASHE) further strengthens its commitment to global sustainability standards. Key achievements include the establishment of the ECOLEAD Clinic to prevent environmental violations, the development of smart irrigation systems through student-led projects like "E-Agri Irrigation," and active participation in international platforms such as COP29. These initiatives reflect BSU's role as an incubator for student-led innovation, ecological research, and the promotion of sustainable practices in Azerbaijan.





In 2024, BSU launched its flagship project, “Eco Space,” a 1,000-square-meter innovative facility designed to integrate ecological education, research, and public awareness. The project features modern technologies such as an Aquaponics system for sustainable agriculture, bioreactors for oxygen production and biofuel generation, photovoltaic solar panels for renewable energy, and digital monitoring systems for air quality and weather data. “Eco Space” provides students, researchers, and the broader public with hands-on training in green technologies, environmental monitoring, and sustainable practices, while fostering interactive workshops, seminars, and ecological competitions. Developed through a public-private partnership with “Bayramli Group,” “LU-MUN Holding,” and “Azecolab,” and supported by the Ministry of Ecology and Natural Resources, the project advances the UN Sustainable Development Goals (SDG-4, SDG-11, SDG-13, SDG-15, SDG-17), promotes environmental stewardship, and strengthens BSU’s role as a leading center for ecological education, innovation, and community engagement in Azerbaijan.





ROUND TABLE ON “ECOLOGICAL AWARENESS, ECOLOGICAL EDUCATION, ECOLOGICAL CULTURE” AT BSU

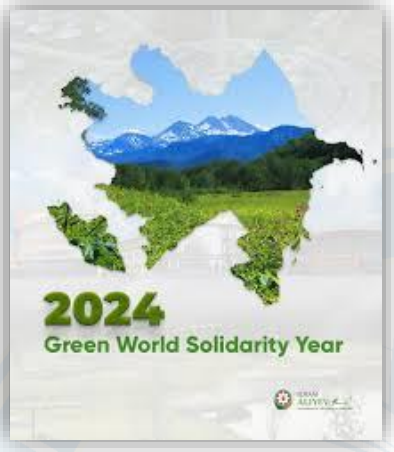


A round table on “Ecological Awareness, Ecological Education, Ecological Culture” was held at the Department of Philosophy, Faculty of Social Sciences and Psychology, BSU (BSU), emphasizing the significance of Azerbaijan-hosted COP29 under the UNFCCC.



The discussion highlighted the global nature of ecological crises, stressing the need for ecological awareness, ethical responsibility, and sustainable human-nature relations. Faculty members addressed the history and importance of COP, national initiatives such as “smart city” and “smart village” projects in liberated territories, the establishment of national reserves, and the critical role of education, communication, and societal engagement in promoting ecological culture and combating climate change.

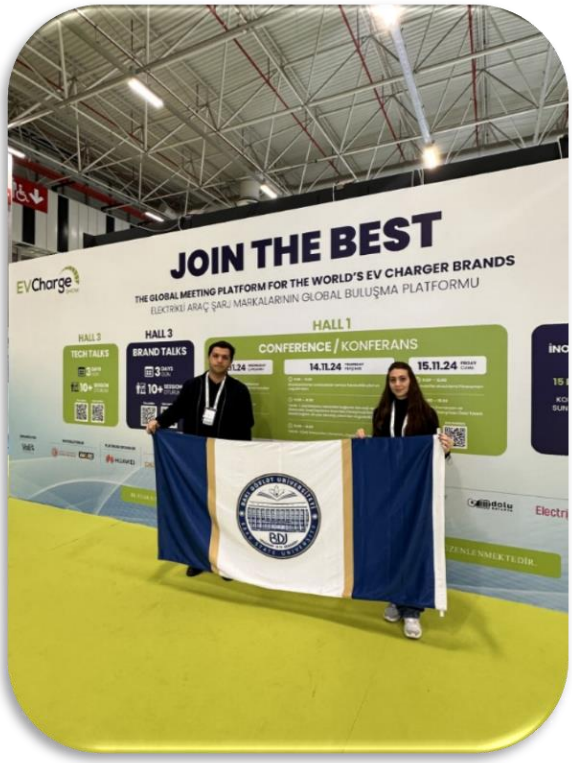
SCIENTIFIC SEMINAR AT BSU: "GREEN LIBRARY CONCEPT"



A scientific seminar at BSU's Faculty of Information and Document Management focused on the "Green Library Concept" within the framework of Azerbaijan's "Green World Solidarity Year." Associate Professor Pervez Kazimi highlighted the significance of President Ilham Aliyev's 2024 decree, the relevance of hosting COP29, and the emerging role of green libraries in promoting environmental sustainability. The seminar detailed the concept's objectives, architecture, and societal impact, drawing on international research and IFLA reports, while emphasizing energy conservation, environmental protection, human health, and the need for standardized infrastructure. Participants also discussed the current resources, potential, and future development of green libraries in Azerbaijan.



BSU (BSU) PARTICIPATED IN THE "EV CHARGE SHOW" – A GLOBAL MEETING PLATFORM FOR MANUFACTURERS OF ELECTRIC VEHICLE CHARGING STATIONS



BSU actively participated in the "EV Charge Show," a global platform for electric vehicle charging station manufacturers held in Istanbul from November 13-15, showcasing advancements in battery and charging technologies, innovative digital solutions, and clean energy projects. At the conference, BSU's Student Scientific and Technical Creativity Center presented the "SuperCapBack Hybrid Battery" and "Clean-Charge Fast Charging Station" projects, engaging with industry experts and manufacturers. Notably, BSU's "BSU Creativity Workz" team reached the finals of the "E-Mobility Innovation and Startup Competition," securing a position among the top eight teams out of 220 participants, highlighting the University's commitment to fostering innovation and applied research in sustainable mobility.

BSU HAS BEEN REPRESENTED IN THE BLUE ZONE OF COP29 WITH THE "CLEAN-CHARGE" PROJECT, WHICH IS THE WINNER OF THE 5TH GRANT COMPETITION OF THE SME DEVELOPMENT AGENCY



At COP29's Blue Zone, BSU was represented by Ilyas Nasibov, Director of the Student Scientific and Technical Creativity Center, presenting the "Clean-Charge – 22 kWh AC Fast Charging Station" project, winner of the 5th Grant Competition by the Small and Medium Business Development Agency. The project, discussed at the "Business, Investment, and Philanthropy Climate Platform," aims to provide fast, accessible, and eco-friendly electric vehicle charging using green energy, even in areas without electrical grids. Designed to reduce carbon emissions and promote sustainable energy use, the station will operate on solar and wind power, support multiple international EV standards, and include ports for electric bicycles and scooters. Scheduled for installation at BSU's parking area in December, "Clean-Charge" will offer free charging services for the university's faculty and students.

THE FINAL MEETING OF THE PROJECT "RETURN MISSION: YOUTH SOLIDARITY AND COOPERATION INITIATIVES" AT BSU (BSU)



The final meeting of the "Return Mission: Youth Solidarity and Cooperation Initiatives" project, held at BSU with the support of the Ministry of Youth and Sports, highlighted the role of youth engagement in national development and post-conflict reconstruction. The event underscored the importance of fostering patriotism among young people and strengthening their involvement in the state youth policy framework. Key speakers emphasized the strategic significance of the "Great Return" State Program in facilitating the reintegration of internally displaced persons and encouraging the younger generation—many of whom have lived outside their ancestral lands for decades—to actively participate in the revival of the liberated territories of Karabakh and Eastern Zangazur.

RESEARCH

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		

UI GreenMetric World University Rankings

3. WORLD RANKINGS HISTORY

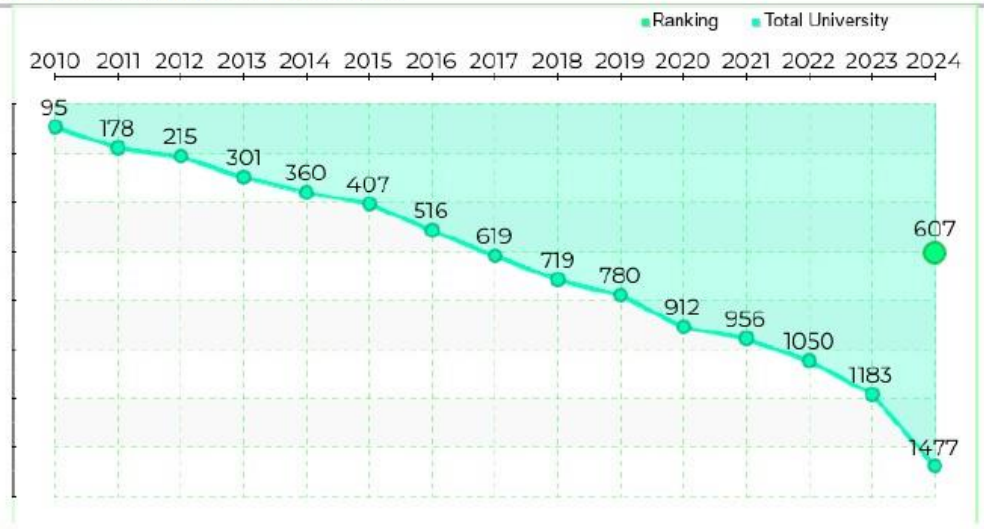


Figure 3.1 World Rankings History Diagram

4. RANKING IN AZERBAIJAN



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
41.19%

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%

http://sdg.bsu.edu.az/

11 SUSTAINABLE CITIES AND COMMUNITIES

MEMBERSHIPS

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

ISCN
International Sustainable Campus Network

GUNI
GLOBAL UNIVERSITY NETWORK FOR INNOVATION

CANIE
climate action network

CONCLUSION



These findings collectively highlight how Baku State University is actively contributing to the promotion of SDG 11 by fostering a vibrant, inclusive, and culturally rich educational environment, as well as addressing challenges related to housing affordability and accessibility.

The key findings from the information provided about Baku State University and its initiatives related to Sustainable Development Goal 11 (SDG 11) include:

Rich Scientific Library	Baku State University's Scientific Library is one of the country's most extensive libraries and serves as a cultural and educational hub for students and teachers.
University Museums	BSU hosts several museums, promoting cultural and historical awareness, contributing to the preservation of cultural heritage and fostering educational and interactive experiences.
Cultural and Creative Center	The Cultural and Creative Center at BSU supports students in their artistic and creative pursuits, offering instrumental and dance ensembles, a choir group, and a drama club.
Involvement in Events	BSU actively participates in various significant events, both within the university and in collaboration with external organizations, promoting community engagement and cultural exchange.

Teaching and Research	The university offers a wide range of academic departments and research units focused on addressing important national issues and cultivating intellectual growth.
Integration with European Education System	BSU's alignment with the European 3-cycle education system, offering Bachelor's, Master's, and Doctoral programs, enhances educational standards and prepares students for the global workforce.
Flexible Learning and Online Platform	Lecturers and researchers benefit from flexible schedules, and the university provides an online platform for remote communication and task management, ensuring accessibility and adaptability in education.
Affordable Housing	BSU offers affordable housing options for its faculty and staff, addressing the challenge of high housing costs in Baku and supporting its employees' well-being.
Student Housing	The "Student House" provides comfortable accommodation for both local and foreign students, including modern amenities and a well-equipped library, promoting inclusivity and a supportive environment for students.
Pedestrian Access	The provision of two pedestrian entrances enhances accessibility to the university campus, contributing to sustainable and walkable urban development.

FUTURE GOALS

Building upon the existing initiatives and achievements, Baku State University can take several future steps to further contribute to Sustainable Development Goal 11 and promote sustainable cities and communities:



By taking these future steps, Baku State University can further enhance its role in building sustainable cities and communities while creating a dynamic and inclusive learning environment for students and faculty.

Baku State University

2024 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 event dedicated to the World Environmental Education Day was held at BSU



At the event, Associate Professor Azer Jafarov stated that to protect the environment, humanity had to change its global attitude toward nature and shift from a consumer society to one that protects nature. He emphasized the need for international control, fair distribution of natural resources, the drafting of an "International Ecological Code," and the expansion of environmental education. Second-year student Nijat Hasanov highlighted that environmental education played a key role in drawing public attention to environmental issues and their solutions. Dean Akif Aghbabali

expressed his belief that the students of the Faculty of Ecology and Soil Science would become a leading force in environmental protection and education for both Azerbaijan and the world in the future. It was also noted that the modern environmental education movement had gained international status in June 1972 at the United Nations “Human Environment” Conference in Stockholm, where 26 principles were adopted, one of which stressed the importance of environmental education.









Scientific seminar on "Prospects of rechargeable Sodium-Ion batteries"

	A scientific seminar on “Prospects of Rechargeable Sodium-Ion Batteries” had been held at the Nanoresearch Laboratory of BSU. Laboratory researcher Almara Rahimli had presented a report on the advantages of sodium-ion batteries over lithium-ion batteries, their parameters, similarities and differences, as well as the latest innovations in this field. She had noted that the structure of sodium-ion batteries was similar to lithium-ion batteries, but sodium ions were used instead of lithium ions to store energy. Their main advantage had been identified as lower production costs due to the unlimited supply of sodium. It had also been emphasized that, unlike sodium-sulfur batteries, they could be produced in sizes similar to lithium-ion batteries. However, the anode materials of sodium-ion batteries had been reported to swell up to 400–500 percent upon interaction with sodium, leading to mechanical damage and loss of electrical contact. In recent years, research had been conducted on the application of new types of graphite layers for the negative electrode, and hopes that sodium-ion batteries would replace lithium-ion batteries had been increasing.

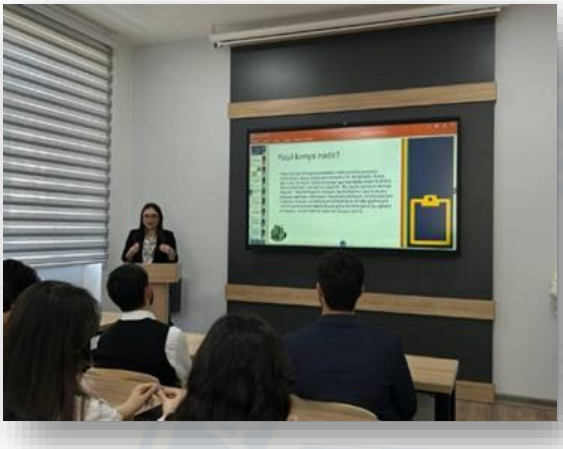


An event on "Green Chemistry" was held at BSU



The “Green Chemistry” event dedicated to the “Year of Solidarity for a Green World” had been held at the Faculty of Chemistry of BSU, jointly organized by the “Molecular Minds” of BSU Volunteers and the “Environmental Care” club of Baku Higher Oil School. At the event, Taleh Gahramanov, Deputy Dean of the Faculty of Chemistry for Social Issues and Work with Students, had stated that 2024 was declared the “Year of Solidarity for a Green World” by the order of the President of Azerbaijan, Ilham Aliyev, and that one of the five national priorities for Azerbaijan’s socio-economic development until 2030 was defined as “A country of clean environment and green growth.” He had spoken about the ongoing efforts in this direction, including improving the environment, restoring and expanding greenery, and ensuring the efficient use of water resources and sustainable energy sources, while praising the active involvement of youth in related projects. Afterwards, the heads of the “Molecular Minds” and “Environmental Care” clubs, Deniz Seydaliyeva and Karam Mammadzade, had explained the origin of the term “green chemistry,” its main principles, similarities and differences with environmental chemistry, chemical processes occurring in the environment, anthropogenic effects, solutions to environmental problems, and chemical control methods. The event had also featured discussions on the declaration of Karabakh and Eastern Zangazur, the designation of Nakhchivan Autonomous Republic as a “green energy zone,” environmental protection in the large-scale restoration and reconstruction of the liberated territories, and the restoration of the rich forests that had been subjected to enemy vandalism and destruction.









Scientific Seminar on "Green Libraries"



A scientific seminar dedicated to the “Year of Solidarity for the Green World” had been held at the Faculty of Information and Document Management of BSU with the participation of professors, teaching staff, doctoral and master’s students. At the seminar, the Head of the Department of Document Management, Associate Professor Nadir Ismayilov, had delivered a report on “Green Libraries,” highlighting the historical importance of President Ilham Aliyev’s Decree declaring

2024 as the “Year of Solidarity for the Green World” and discussing the tasks ahead in this direction. He had also emphasized that holding the 29th session of the UN Climate Change Conference of the Parties in Azerbaijan during this year was a clear indicator of great trust and confidence in the country. The report had explained the concept of the green library as a new direction in library-information activities, presenting their mission, architecture, and functions at a modern scientometric level. The stages of emergence and development of the green library movement worldwide, issues of standardization, branding and certification, and the support of international organizations for this movement had been discussed. It had been stated that in implementing the green library model, environmental, economic, and social sustainability should be taken into account, the harmony of the library building with nature should be ensured, and infrastructure contributing to the environment and human health by saving energy and other resources should be created. The speaker had also stressed the necessity of applying the green library model in the reconstruction projects of library infrastructure in Karabakh and Eastern Zangazur, liberated from occupation.





Students of biology faculty are on field trip



The students of the Faculty of Biology of BSU specializing in water bioresources and aquaculture had taken a field trip to “Azerbaijan Fish Farm,” “Xilli Bayak,” and “Kahf” LLCs located in the Neftchala district. They had participated in training sessions at the Yenikend Sturgeon Breeding Farm of “Azerbaijan Fish Farm” LLC and got acquainted with the production process of the sturgeon complex. It had been noted that the annual production capacity of the complex included 10 tons of sturgeon caviar, black caviar, sturgeon spawn, and 200 tons of sturgeon meat. The students had also visited the Neftchala Fish Feed Factory, operating in the Neftchala Industrial District under the Economic Zones Development Agency of the Ministry of Economy and owned by “Kahf” LLC, where they became familiar with the production process and feeding methods. At the factory, which had an annual production capacity of 25,000 tons, the students had been informed about feed production technology and recipe preparation methods.





Project "SAP hydrogel based Smart Irrigation System" by BSU employee became the winner of Baku Water Week

The project “SAP Hydrogel Based Smart Irrigation System” by Ilyas Nasibov, Director of the Student Scientific and Technical Creativity Center of BSU, had become one of the three winning startups at the International Exhibition and Conference Baku Water Week. This irrigation system had operated on the principle of IoT (Internet of Things) and was designed for use in cultivated fields and greenhouses, significantly reducing water consumption. It had enabled localized irrigation depending on soil moisture levels, while hydrogels applied to the soil had maintained the required moisture level for plants over an extended period. Entrepreneurs had also been able to track and control various parameters through a mobile application, including temperature, relative humidity, CO_2 content, atmospheric pressure, soil moisture level, mineral content in the soil, and photosynthetic active radiation.





Cleaning action within the framework of the Year of Solidarity for a Green World

Within the framework of the “Youth Week 2” project organized by the Student Youth Organization of Baku State University, a cleaning campaign dedicated to the “Year of Solidarity for the Green World” had been held. Members of the organization and students from various faculties had joined the campaign. The main purpose of the event had been to promote cleanliness on the university campus and to engage young people in the fight for environmental protection. During the campaign, students had collected waste across the BSU territory.



An ecological seminar and cleaning campaign were conducted through the collaborative efforts of BSU and RİİB

The joint collaboration between BSU and the "Regional Development" Public Union had resulted in an educational seminar and a cleanup campaign dedicated to April 22 – International Earth Day. Within the framework of the event, BSU teachers had delivered detailed information to students of secondary schools No. 119 and 256 in Baku about climate change, its impact on ecosystems, the environment, and human health, as well as the responsibilities of youth in protecting nature. Ramin Samadov, Head of the Department of Humanitarian Affairs and Youth Policy of BSU, and Rashad Jabarov, Chairman of the Trade Union Committee, had emphasized the significance of the day and elaborated on government strategies for environmental preservation. Subsequently, lecturers Kismet Khanbabayev had spoken on the geographical distribution and importance of renewable energy sources, Mahluga Yusifova had addressed the impacts of climate change on Azerbaijan, Giyas Bayramov had examined the causes of water resource contamination, and Gunel Sariyeva had highlighted global environmental challenges, while answering students' questions. The event had continued with the active participation of volunteers from both institutions in a shoreline cleanup in Turkan settlement, followed by a flash mob where volunteers had unveiled a poster reading "Earth Day." It had been noted that the main goal of the initiative was to raise public awareness about the significance of the day, instill environmental consciousness especially among adolescents, and promote responsibility towards environmental protection and nature conservation.



BSU students at the "From waste to art" museum

As part of the “Year of Solidarity for the Green World” initiatives, students of BSU’s Faculty of History had visited the “From Waste to Art” museum, located in the “Gala” State History-Ethnography Reserve and established under the auspices of the Heydar Aliyev Foundation. They had been informed that the museum aimed to highlight important environmental issues by transforming discarded objects and waste materials into works of art. Following the museum visit, the students had also explored the castle walls and various archaeological artifacts dating back to the 14th–15th centuries within the “Gala” State Historical-Ethnographic Reserve.







Painting exhibition dedicated to "The year of solidarity for a Green World" at BSU

	At the Faculty of Chemistry of BSU, an art exhibition dedicated to the “Year of Solidarity for the Green World” had been inaugurated, organized by the Student Youth Organization and the Student Trade Union Committee. The exhibition had showcased 30 paintings created by students of the faculty, with its main goal being to raise awareness about environmental protection, address climate change, and encourage students and youth to actively participate in these efforts. Lasting for two days, the exhibition had provided attendees with the opportunity to appreciate the artworks and reflect on the importance of environmental responsibility.



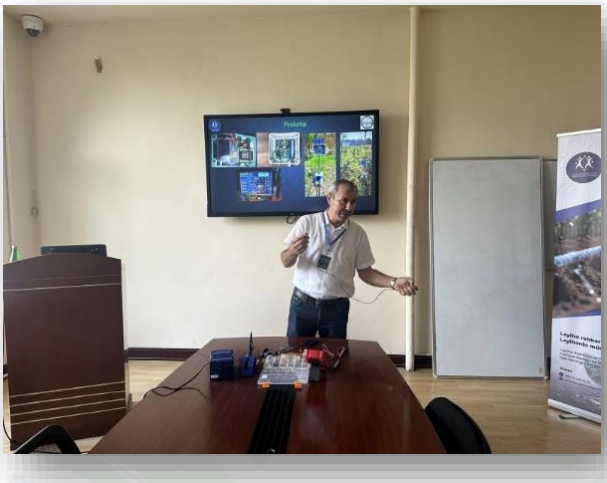





The next training of the “Smart Agro Technology” project has been held at BSU



The second training of the “Smart Agro Technology” project, funded by the Youth Foundation of the Republic of Azerbaijan, had been held at BSU. Mais Suleymanov, Director of the Center for the Organization of Scientific Activity and Innovations at BSU, had emphasized the importance of deep knowledge in natural sciences and its future prospects, encouraging participants to actively engage in such projects. Mahammad Maharramov, Deputy Dean of the Faculty of Physics, had highlighted that food security occupies a special place among sectors ensuring national security, stressing the necessity of advancing agriculture through modern technologies, particularly in countries like Azerbaijan with limited fresh water resources. He had noted that the application of efficient irrigation technologies in agriculture is crucial and had stated that the “Smart Agro Technology” project met the demands of the times, wishing the participants success. Project Manager Sara Rahimzadeh had provided information on the topics and tasks for the second stage of the training. In this stage, focused on developing a field station for the initial prototype of the smart irrigation system, trainer Elshan Nasirov had discussed the shortcomings of existing smart irrigation systems and possible solutions, after which participants had carried out practical exercises.





Scientific seminar on "E-Irrigation" at BSU



A scientific seminar on “E-Irrigation” dedicated to the “Year of Solidarity for a Green World” had been held at the Institute of Physics Problems at BSU. The director of the institute, Sadiyar Rahimov, had stated that the “E-Irrigation” project, led by Elshan Nasirov, senior researcher in the Condensed Matter Physics Department, with participation from Sara Rahimzadeh, a doctoral student in the Biophysics Department, had won third place in the final phase of the “TEKNOFEST-2024” Aerospace and Technology Festival. Elshan Nasirov had emphasized that the winning project explored the use of robotic technology and artificial intelligence for automatic irrigation, fertilization, and soil monitoring in agriculture. The system developed by the team had consisted of a central station and several field stations, designed for automatic irrigation, fertilization, and soil monitoring of crop fields.





An art exhibition dedicated to COP29 at BSU

An art exhibition dedicated to COP29 had been held by the Student Youth Organization of BSU. The exhibition had featured nearly 20 artworks by BSU students, through which they had conveyed powerful messages emphasizing the importance of environmental protection, the use of green technologies, and the proper utilization of natural resources. The main goal of the exhibition had been to encourage young people to approach environmental issues with sensitivity.





BSU Students successfully participate as Volunteers in COP29

Nearly 200 students from BSU had participated as volunteers in the 29th session of the Conference of the Parties to the United Nations Framework Convention on Climate Change (COP29). The holding of COP29 in Azerbaijan had provided an important platform for young activists to contribute to global climate policy. The active involvement of youth in this field had not only served as an example of national pride but had also provided strong support for environmental policies. BSU students had promoted environmental protection and the rational use of natural resources, assisted delegations, and contributed to the success of the conference.









New Unique Project – "Eco Space" at the University

Azerbaijan had taken an active position in ensuring global energy and environmental security, as well as in developing strategic mechanisms for the transition to a "green economy." In the "Azerbaijan 2030: National Priorities for Socio-Economic Development" approved by President Ilham Aliyev on February 2, 2021, "A Clean Environment and a Green Growth Country" had been one of the five main priorities.

In recent years, BSU had expanded its scientific research in environmental protection and combating climate change, implementing various projects to increase environmental awareness and responsibility. BSU scientists, professors, and creative students had actively engaged in studying environmental issues and developing solutions. In 2024, BSU had become a member of the Association for the Advancement of Sustainability in Higher Education (AASHE) and expanded its infrastructure with the Faculty of Ecology and Soil Science and the Ecological Chemistry and Environmental Protection Research Laboratory.



In cooperation with the General Prosecutor's Office, BSU had established the ECOLEAD Clinic to investigate and prevent illegal environmental activities. Students had worked on "green energy" and "green technology" projects, with the "E-Agri Irrigation" project winning third place at "TEKNOFEST-2024." As part of COP29, BSU had launched the "Eco Space" project, opening it on November 14, attended by deputies, vice-ministers, academicians, international guests, company representatives, and BSU faculty and students. Rector



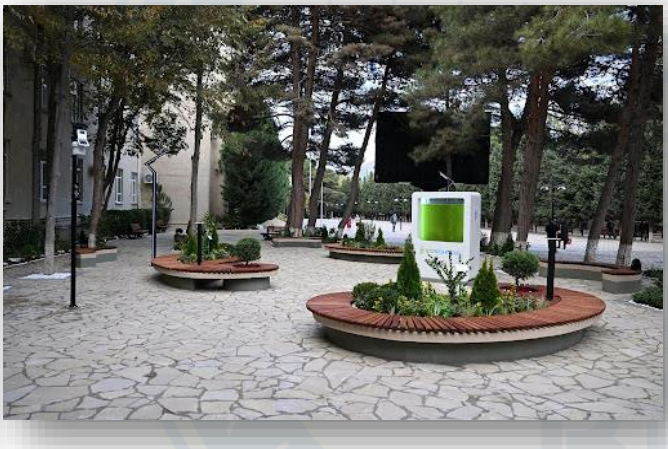
Elchin Babayev had highlighted the installation of an Aquaponics system, bioreactor, solar panels, and advanced digital technologies in “Eco Space,” demonstrating BSU’s commitment to ecological principles. The project had been designed for students, master’s and doctoral students, and had been open to other educational institutions. “Eco Space” had applied aquaponics systems, bioreactors, photovoltaic converters, a digital eco-information system, and air quality monitoring to achieve sustainable practices. Environmental awareness events, interactive seminars, and workshops had been conducted, while local and international collaborations had been established. “Eco Space” had contributed to the UN Sustainable Development Goals, promoted the use of green technologies, provided an educational platform, and had been implemented in public-private partnership with “Bayramli Group,” “LU-MUN Holding,” and “Azecolab,” with special support from the Ministry of Ecology and Natural Resources of Azerbaijan.












BIOREAKTOR



Round table on “Ecological Awareness, Ecological Education, Ecological Culture” at BSU

A round table on “Ecological Awareness, Ecological Education, Ecological Culture” had been held at the Department of Philosophy of the Faculty of Social Sciences and Psychology at BSU, dedicated to the significance of the 29th session of the Conference of the Parties (COP29) to the United Nations Framework Convention on Climate Change, hosted by Azerbaijan. Kamala Panahova, head of the Department of Philosophy, had stated that COP29 was a significant event for both the country and the world, emphasizing that understanding the deep ecological crises affecting our planet is reflected in ecological awareness, which requires personal will, ecological action, the accumulation and exchange of ecological experience, and the communication of ecological culture within society. Deputy Dean Nazakat Karimova had highlighted that ecological problems do not recognize national borders and have become a global issue, noting that if people and governments do not change their relationship with nature and stop inefficient use of its resources, this process will turn against them and cause undesirable consequences. Faculty members Ismail Alakbarov, Zeynab Manafova, Aysan Aliyeva, and Malahat Mammadova had provided information on the history of COP, the importance of holding such an event in Azerbaijan, the “smart city” and “smart village” projects in territories liberated from occupation, and the necessity of creating national reserves. The speakers had then exchanged views on the crucial role of ethical responsibility and a sense of justice in combating climate change.





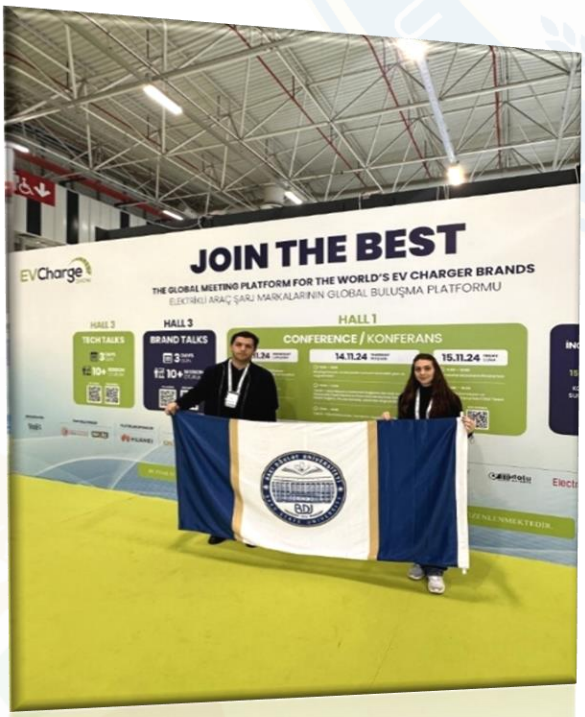
Scientific seminar at BSU: "Green library concept"

A scientific seminar dedicated to the “Green World Solidarity Year” in Azerbaijan had been held at the Faculty of Information and Document Management of BSU. At the seminar, Parviz Kazimi, Associate Professor of the Library Science Department, had delivered a presentation on the “Green Library Concept,” highlighting the significance of President Ilham Aliyev’s decree declaring 2024 as the “Green World Solidarity Year” in Azerbaijan. Various projects implemented in this direction had been discussed, and hosting the 29th session of the UN Framework Convention on Climate Change (COP29) in Azerbaijan had been emphasized as a sign of trust in the country and its leadership. The presentation had focused on the green library concept as a new and important direction in library and information services, explaining its role and significance in society in detail, while sharing research conducted by foreign experts. A presentation based on reports from the International Federation of Library Associations and Institutions (IFLA) had examined the purpose, architecture, and objectives of the green library concept at a scientometric level. Parviz Kazimi had noted that expanding the green library movement and standardizing and certifying such libraries were current challenges, emphasizing that energy conservation, environmental protection, and human health should be prioritized, and infrastructure meeting these requirements should be established. The seminar had also addressed the existing resources and potential of libraries in Azerbaijan in this area.



BSU participated in the "EV CHARGE SHOW" – a global meeting platform for manufacturers of electric vehicle charging stations

BSU had participated in the “EV Charge Show”- a global meeting platform for electric vehicle charging station manufacturers. The conference, held in Istanbul from November 13-15, had aimed to develop battery and charging technologies used in electric vehicles, support innovative digital solutions, and promote projects based on clean energy usage. The conference had featured various charging stations, battery technologies, and IoT-based charging system projects presented by 151 companies. BSU’s Student Scientific and Technical Creativity Center had provided information about the “SuperCapBack Hybrid Battery” and “Clean-Charge Fast Charging Station” projects and had engaged in discussions with charging station manufacturers attending the exhibition. It was also noteworthy that BSU's “BSU Creativity Workz” team had reached the finals of the “E-Mobility Innovation and Startup Competition” within the EV Charge Show, securing a place among the top 8 teams out of 220.



BSU has been represented in the Blue Zone of COP29 with the "CLEAN-CHARGE" project, which is the winner of the 5th Grant Competition of the SME Development Agency

The Director of the Student Scientific and Technical Creativity Center of BSU, Ilyas Nasibov, had represented the “Clean-Charge – 22 kWh AC Fast Charging Station” project, which had won the 5th Grant Competition organized by the Small and Medium Business Development Agency, at the “Business, Investment, and Philanthropy Climate Platform” held in the Blue Zone of COP29. The event had covered topics related to accelerating climate solutions supporting sustainable development, multilateral strategies for climate and nature, and investment in the future of our planet and the environment. Discussions had focused on reducing carbon dioxide emissions during electricity production for electric vehicles and using clean energy in this process. The main goal of the “Clean-Charge” project had been to provide fast charging of electric vehicles through “green energy,” even in the absence of an electrical source.



The "Irrigo – sustainable rural agriculture ecosystem," developed at BSUs Student Scientific and Technical Creativity Center, was presented at COP29

BSU's "BSU Creativity Workz" team had successfully participated in the "Green Tech Karabakh" project during the COP29 conference, presenting the innovative agro-technical solution, the "Irrigo" smart irrigation system, to the audience. Irrigo had been a new-generation agricultural model based on smart technological solutions, aiming to minimize the amount of fresh water used for irrigation, clean waters unsuitable for irrigation from organic pollutants, salts, and heavy metals, and make them usable while creating an ecosystem that ensured the circulation of this water within the system. The project had not only conserved water resources but also optimized material and time resources. Its modern features, including remote control and synchronization with weather forecasts, had made it an invaluable solution in agriculture. During the presentation, representatives from various countries had closely examined the efficiency of the "Irrigo" system, its potential for cost reduction, and its positive impact on ecosystem preservation, showing great interest in the innovative solutions it provided.



A Republican Scientific Conference on the topic "Modern Problems of Ecological Chemistry and Environmental Protection" is being held at BSU

A Republican Scientific Conference on “Modern Problems of Ecological Chemistry and Environmental Protection” had been held at BSU to celebrate the university’s 105th anniversary and the 20th anniversary of the Department of Ecological Chemistry. The conference had started with the National Anthem, followed by a one-minute silence in memory of National Leader Heydar Aliyev and the martyrs who sacrificed their lives for the freedom of the lands. In his opening speech, BSU Rector Elchin Babayev had highlighted Azerbaijan’s active role in global energy security, combating the climate crisis, and developing strategic mechanisms for the transition to a “green economy,” noting that “Clean Environment and the Country of Green Growth” was among the key priorities of the “Azerbaijan 2030: National Priorities for Socio-Economic Development” document. He had emphasized the expansion of BSU’s scientific research on environmental protection and climate change, ongoing projects to increase ecological awareness, and the university’s efforts through its Ecology and Soil Science Faculty, the Scientific Research Laboratory on Ecological Chemistry and Environmental Protection, the ECOLEAD Clinic, student projects in “green energy” and “green technologies,” and the opening of “Eko Mekan.” Detailed presentations had been given on the department’s history, educational and scientific activities, international collaborations, ecological and chemical studies, synthesis of new organic compounds, wastewater treatment methods, and research in the liberated regions of Karabakh and Eastern Zangazur. Over 206 scientific articles had been submitted to the conference, with 178 accepted for publication. Academicians and scientific institution leaders had congratulated the Department of Ecological Chemistry on its anniversary and wished success in

promoting environmental protection, ecological literacy, and “green education” in Azerbaijan.






As part of the 105th anniversary of BSU, the Faculty of Ecology and Soil Science presented: The Green Thinking Space

As part of the 105th anniversary of BSU, the Faculty of Ecology and Soil Science organized a presentation titled "The Green Thinking Space." Vice-Rector Farda İmanov emphasized the faculty’s active role in addressing ecological challenges and global climate issues, highlighting the growing demand for ecologists. Dean Akif Aghbabali reviewed the faculty’s foundation in 2011, following the declaration of 2010 as the "Year of Ecology" in Azerbaijan, and detailed its educational and

scientific contributions in areas such as environmental protection, soil assessment, and waste monitoring. With 5 departments, 2 laboratories, and a dedicated teaching staff, the faculty trains over 950 students and contributes to national environmental restoration efforts. Professors Sevinj Hajiyeva and Shovgi Goychayli also spoke on the faculty's role in environmental education and its alignment with national ecological policies initiated during the leadership of Heydar Aliyev.









Opening Ceremony of the "I BSU School on Green and Sustainable Science and Education"

The opening ceremony of the "I BSU School on Green and Sustainable Science and Education" had been held at BSU, jointly organized with the Islamic World

Educational, Scientific and Cultural Organization (ICESCO) and the “Erasmus+ Jean Monnet Module” project, dedicated to BSU’s 105th anniversary and the “Year of Solidarity for a Green World.” The school had aimed to explore the potential of green skills and innovative technologies in achieving the Sustainable Development Goals. Organized by leading scientists and education experts from BSU and international organizations, the school had provided an inclusive platform for knowledge exchange and collaboration, with main topics including nanotechnology, sustainable agriculture, drug design, and ecological safety.







http://sdg.bsu.edu.az/

12 RESPONSIBLE CONSUMOTION AND PRODUCTION

Research

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		

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12 RESPONSIBLE CONSUMOTION AND PRODUCTION

RANKING RESULTS

THE IMPACT RANKINGS

OVERALL RANK

401–600 out of 2318 institutions



UI GreenMetric World University Rankings

3. WORLD RANKINGS HISTORY

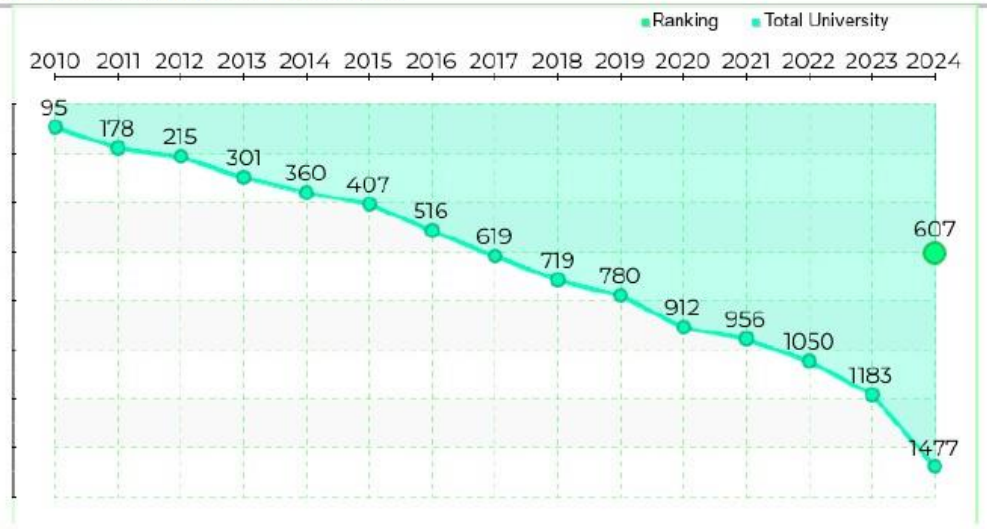


Figure 3.1 World Rankings History Diagram

4. RANKING IN AZERBAIJAN



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12 RESPONSIBLE CONSUMOTION AND PRODUCTION

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
41.19%

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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12 RESPONSIBLE CONSUMOTION AND PRODUCTION

MEMBERSHIPS

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

CANIE
climate action network

ISCN
International Sustainable Campus Network

GUNI
GLOBAL UNIVERSITY NETWORK FOR INNOVATION

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.

FUTURE GOALS

BSU, while building on its existing achievements in responsible consumption and production, aims to implement broader initiatives in the coming years. The university plans to strengthen waste management, improve resource efficiency, expand the use of green energy technologies, and enhance environmental awareness. These objectives will be pursued through stronger local and international partnerships, ensuring that BSU consolidates its position as a leading institution in advancing sustainable development.

- Further improve waste separation systems and increase recycling rates at BSU.
- Increase the number of academic courses related to responsible consumption and production.
- Provide stronger support for eco-startups and innovation projects led by students.
- Introduce new technologies to minimize waste of water, energy, and food.

Strengthen awareness campaigns with local and international partners.

Expand the use of renewable energy systems (solar panels, bioenergy) across the campus.

Implement BSU's social responsibility projects in wider communities and regions.

Promote and share BSU's SDG 12 activities more broadly in international databases and networks.

Baku State University

2024 REPORT ON

13 CLIMATE ACTION



INTRODUCTION

Baku State University (BSU) is actively committed to addressing climate change through a comprehensive and multifaceted approach. Currently, the university is engaged in extensive efforts to reduce greenhouse gas (GHG) emissions. This includes setting ambitious, quantifiable emissions reduction targets in alignment with global climate objectives and conducting transparent evaluations to monitor progress.



Education plays a pivotal role in BSU's strategy, with annual programs and campaigns focusing on climate change risks, impacts, mitigation, adaptation, impact reduction, and early warning systems. To ensure effective learning and understanding, climate change education is integrated into the university's curricula at all levels, embracing a holistic approach that spans various disciplines, such as climate science, policy, law, ethics, sociology, economics, and culture.

In recognition of its efforts, BSU has signed the Climate Action Network for International Education (CANIE) Accord, committing to greater collaboration with other stakeholders in international education to accelerate climate action.

Through these initiatives, BSU demonstrates a strong commitment to addressing climate change and promoting sustainability within the academic community and beyond.

Research and innovation are integral to BSU's commitment to sustainability and the United Nations Sustainable Development Goals. Faculty and researchers are involved in cutting-edge projects related to flood protection, early warning systems, and disaster prevention, generating research papers and policy analyses.



BSU is actively expanding its activities in addressing climate change issues. To strengthen the expertise of specialists in this field, the university is developing specialized master's programs in climate change adaptation and related disciplines. These programs are designed to provide advanced knowledge and practical skills necessary for effective climate action.



In addition, BSU collaborates with national organizations, including the Ministry of Ecology and Natural Resources, to ensure that curricula are aligned with best practices. This collaboration facilitates the integration of cutting-edge environmental policies and strategies into the educational framework, increasing the relevance and impact of the training provided.

BSU is actively advancing its research and innovation initiatives to address climate change and contribute to the United Nations Sustainable Development Goals. Faculty members and researchers at BSU are engaged in cutting-edge projects focusing on flood protection, early warning systems, and disaster prevention. These efforts involve the generation of research papers and policy analyses aimed at enhancing the resilience of communities to climate-related hazards. Through these initiatives, BSU demonstrates its commitment to integrating scientific research with practical solutions for sustainable development.



BSU develops strategies based on the legal base of the State.

BSU demonstrates a steadfast dedication to establishing ambitious and quantifiable objectives for the reduction of greenhouse gas (GHG) emissions, thereby aligning our endeavors with global climate objectives. Our organization will conduct regular and transparent evaluations of our greenhouse gas (GHG) emissions and provide comprehensive reports to track our advancements in meeting these objectives.

Education programmes or campaigns on climate change risks, impacts, mitigation, adaptation, impact reduction and early warning are conducted and updated on yearly basis. Baku State University provides the serious effort for training of specialists which according to the requirements of the modern life. To ensure effective learning and deep understanding of the subject matter, climate change education should be integrated across university curricula at all levels.











BSU is actively engaged in cutting-edge research and innovation pertaining to sustainability and the attainment of the Sustainable Development Goals. The Climate Action Policy of BSU is founded on a profound dedication to promoting a sustainable future, which entails the integration of rigorous scholarly research and active engagement with the community. Recognizing its position as the foremost educational establishment in Azerbaijan, BSU understands the profound impact of academics in fostering resilience, fostering creativity, and cultivating a clear comprehension of global environmental concerns. Our primary objective is to lead academic-based sustainability projects, employing knowledge to generate practical

solutions that surpass geographical limitations and contribute to worldwide environmental sustainability.





Baku State University staff collaborates with the experts from different countries and participates in different flood protection, early warning, and disaster prevention projects. Within this project research papers and policy analyses were prepared. Relevant to inform and support local or regional government in local climate change disaster/risk early warning and monitoring BSU staff performs research on climate change. The result of this research provides to local organization and published for increasing of knowledge. The university collaborates with Water Experts Union and IHP Azerbaijan NGO which is dealing with climate change and its impact to water resources and increasing of public awareness.





BSU demonstrates a steadfast dedication to establishing ambitious and quantifiable objectives for the reduction of greenhouse gas (GHG) emissions, thereby aligning our endeavors with global climate objectives. Our organization will conduct regular and transparent evaluations of our greenhouse gas (GHG) emissions and provide comprehensive reports to track our advancements in meeting these objectives. Furthermore, our dedication encompasses the safeguarding and augmentation of environmentally friendly areas inside the university grounds. By actively advocating for the preservation of biodiversity and establishing suitable habitats for indigenous fauna, we are making a significant contribution to the achievement of Sustainable Development Goal 13 and the overarching objective of environmental sustainability. Our main objectives are development implementation of training of this sector in university, the preparation of mitigation actions, development of quality and climate changes, development of renewable energy sources.



BOOK EXHIBITION CALLED "YEAR OF SOLIDARITY FOR GREEN WORLD" AT BSU



At the Scientific Library of Baku State University, the book exhibition titled “The Year of Solidarity for the Green World” showcases more than 100 publications-textbooks, atlases, encyclopedic dictionaries, conference materials, and other works-on Azerbaijan’s nature and various ecological fields: ecological issues, ecological policy, and ecological safety. The exhibited publications include titles such as Ecology and Environmental Protection, Human Ecology, Forest Ecology, Encyclopedic Ecological Dictionary, Ecology, Environment and Man, and Ecological Geology, authored or co-authored by well-known scientists of BSU. Also featured are General Ecology and Priority Directions of Environmental Policy and Green Economy in the Context of Sustainable Development.





A YOUNG SCIENTIST OF BSU IS CONDUCTING RESEARCH ON GREEN ENERGY PRODUCTION

A research paper titled "Molecular-dynamic modeling of the stability of $MAPbX_3$ ($X=I^-$, Cl^-, Br^-) structures as solar cell elements", co-authored by the leading researcher of the Nanoresearch Laboratory at the Excellence Center for Research, Development, and Innovations of Baku State University, was published in the journal Ovonic Research (IF: 1.165). The study investigated methods for forming hybrid organic–inorganic perovskite structures as thin films and evaluated their stability. Utilizing a molecular dynamics simulation approach, the research provided a theoretical analysis of $MAPbX_3$-based perovskite materials. The paper thoroughly examined both flexible and rigid joint perovskite models using different modeling techniques, and also explored the impact of thermal processes on the structural stability.



An event dedicated to the World Environmental Education Day was held at BSU



At the event, it was emphasized that to protect the environment, we must shift globally from a consumer society to one that protects nature. This transition requires establishing international oversight of natural resources, ensuring their fair distribution among nations, drafting an "International Ecological Code," and expanding environmental education to foster ecological culture. A student highlighted the importance of environmental education in raising public awareness of environmental issues, solving them, and preventing future complications. The faculty leadership expressed confidence that students studying ecology and soil science will become a driving force in environmental protection and education for Azerbaijan and the world. It was noted that the modern environmental education movement gained international status at the United Nations "Human Environment" conference held in Stockholm in June 1972, where the Stockholm Declaration—with its 26 principles—was adopted, including one specifically emphasizing the importance of environmental education.









A MEMORANDUM OF UNDERSTANDING WAS SIGNED WITH THE BIOLOGICAL DIVERSITY PROTECTION SERVICE



A memorandum of understanding on cooperation was signed with the Biological Diversity Protection Service of the Ministry of Ecology and Natural Resources. At the signing ceremony, the university rector emphasized the significance of hosting COP29 in 2024 in Azerbaijan, noting that declaring 2024 the "Year of Solidarity for the Green World" would accelerate efforts in environmental protection and education. The rector also highlighted that the university conducts policy-oriented research in partnership with governmental bodies. The head of the Biodiversity Service noted that national parks and reserves are well-equipped for student training and research. Under the memorandum, service staff will be involved in university teaching, and ecology and environmental law students will be integrated into environmental project implementation.











BSU STUDENTS WILL IMPLEMENT THE PROJECT THAT INCREASES THE ENVIRONMENTAL LITERACY

A student-led team from the Faculty of Ecology and Soil Science at Baku State University won the networking meeting organized by the Youth Fund of the Republic of Azerbaijan and the "Supporting Youth Education" Public Union with their "Ekonəfəs" project. They presented their initiative under the "Year of Solidarity for the Green World" theme to experts, and were awarded first place out of eight teams, receiving a prize of 3000 manats. The primary goal of the "Ekonəfəs" project is to enhance environmental literacy among young people.









SCIENTIFIC SEMINAR ON "PROSPECTS OF RECHARGEABLE SODIUM-ION BATTERIES"

A scientific seminar on the prospects of rechargeable sodium-ion batteries was held at the Nanoresearch laboratory. The presenter discussed the advantages of sodium-ion batteries over lithium-ion types-such as using sodium ions for energy storage, lower production costs, and the possibility of manufacturing them in similar sizes to lithium-ion batteries. A significant issue highlighted was that anode materials can expand by 400–500%, leading to mechanical damage and loss of electrical contact. Recent research focuses on applying new types of graphite layers for the negative electrode to mitigate this challenge, and there is growing optimism that sodium-ion batteries may replace lithium-ion batteries in the future.



AN EVENT ON "GREEN CHEMISTRY" WAS HELD AT BSU

At the Faculty of Chemistry of Baku State University, a "Green Chemistry" event was held in collaboration between the "Molecular Minds" volunteer group and the "Environmental Care" club of Baku Higher Oil School to mark the "Green World Solidarity Year". The event featured discussions on the origins and principles of green chemistry, its similarities and differences with environmental chemistry, anthropogenic effects, and chemical control methods. The discussion also covered topics such as declaring Karabakh, Eastern Zangezur, and Nakhchivan as "green energy zones," the importance of environmental protection during large-scale restoration processes in liberated territories, and efforts to restore forests damaged during the conflict.











SCIENTIFIC SEMINAR ON "GREEN LIBRARIES"



A scientific seminar dedicated to the "Year of Solidarity for the Green World" was held at the Faculty of Information and Document Management of Baku State University. The head of the Department of Document Management delivered a report on "Green Libraries," noting the historical importance of the presidential decree declaring 2024 as the "Year of Solidarity for the Green World" and discussing upcoming objectives. The concept of a green library was presented as a new direction in library and information science, with detailed coverage of its mission, architectural design, and functions at a contemporary scholarly level, along with the evolution stages of the green library movement worldwide, issues of standardization, branding, certification, and international support. Emphasis was placed on environmental, economic, and social sustainability, ensuring harmony between library buildings and nature, and creating infrastructure that conserves energy and resources while benefiting human health and the environment. The necessity of applying the green library model in reconstruction projects of library infrastructure in liberated territories such as Karabakh and Eastern Zangezur was also highlighted.





PHYSICS FACULTY HOSTS SCIENTIFIC SEMINAR WITHIN THE FRAMEWORK OF GREEN WORLD SOLIDARITY YEAR

A scientific seminar titled “Energy Issues in the Modern World, Classical and Renewable Energy Sources, Energy Storage and Conversion” was held at the Physics Faculty of Baku State University as part of the “Green World Solidarity Year.” The presentation highlighted the strong interest in energy production challenges in both traditional and renewable energy sectors. The research aims to address issues related to energy accumulation, storage, conversion, and transmission to consuming devices. A comparative analysis of energy sources in terms of ecology, safety, and economic efficiency was also presented.





PROJECT "SAP HYDROGEL BASED SMART IRRIGATION SYSTEM" BY BSU EMPLOYEE BECAME THE WINNER OF BAKU WATER WEEK

The project “SAP hydrogel based Smart Irrigation System,” developed by the director of the Student Scientific and Technical Creativity Center, was among the three winning startups at the International Exhibition and Conference of Baku Water Week. This IoT-based irrigation system, designed for use in cultivated fields and greenhouses, significantly reduces water consumption by enabling localized irrigation based on soil moisture levels. Applied SAP hydrogels maintain the necessary moisture for plants over an extended period. Through a mobile application, users can monitor and control multiple parameters including temperature, relative humidity, CO_2 content, atmospheric pressure, soil moisture, mineral content, and photosynthetically active radiation.





SCIENTIFIC SEMINAR AT BSU ON CLIMATE CHANGE

At a scientific seminar held at Baku State University's Faculty of Biology on "Prospects of the Framework Convention on Climate Change in Azerbaijan," participants highlighted that issues such as carbon emissions, environmental pollution, and global warming have increasingly threatened public health. The seminar emphasized the importance of transitioning to a green economy, supporting renewable energy initiatives, and educating local communities. It was noted that 2024 has been declared the "Year of Solidarity for the Green World," and Azerbaijan's role as host of COP29 further underscores international trust in the country. Due to its geographic and climatic conditions, Azerbaijan possesses significant green energy potential. The COP29 event was recognized as crucial for shaping global perceptions of Azerbaijan's move toward a green economy and attracting investment.





TREE PLANTING ACTION AT GUBA EDUCATIONAL-EXPERIENCE AND RECREATION CENTER

A tree-planting action was held at Baku State University's Quba Training, Practice and Recreation Center as part of the "Year of Solidarity for the Green World." University leadership and students participated, planting approximately 100 trees on the center's grounds. The initiative aimed to support efforts against climate change, environmental protection, restoration of ecological balance, strengthening of environmental education, and contribute to nature.











CAUSES OF CLIMATE CHANGE DISCUSSED AT BSU



A seminar titled “Causes of Climate Change” was held at Baku State University’s Faculty of Biology, organized by the “Sustainable Harmony of Nature” club. The event covered the general causes of climate change and its impact on Azerbaijan’s biodiversity and rare species. It was highlighted that, like many countries, Azerbaijan experiences global warming and reduced precipitation leading to decreased river and reservoir levels. Key priorities identified include preventing water pollution, halting soil degradation, preserving biodiversity, increasing green cover, ensuring air quality, cleaning oil and other waste-contaminated soils, and improving waste management, including hazardous waste. Declaring 2024 as the “Year of Solidarity for a Green World” and hosting COP29 are believed to contribute to addressing these challenges. Under mentorship, students presented on greenhouse effects, glaciers, human activities, Azerbaijan’s green commitments, and the goals of COP, followed by discussions with participants on these topics.









BSU HOSTS SCIENTIFIC SEMINAR ON THE CAUSES OF THE CLIMATE CHANGE OPEN TO THE GENERAL PUBLIC



A scientific seminar on "Causes of Climate Change" was held at the Faculty of Biology of Baku State University, where key contributors addressed the root causes of climate change and its impact on the country's biodiversity. Presentations covered topics such as the greenhouse effect, perennial glaciers, the consequences of human activities, Azerbaijan's green commitments, and the objectives of the United Nations Framework Convention on Climate Change's Conference of the Parties. The seminar underscored the local and global significance of these environmental issues.



BSU HOSTS MODEL UN SIMULATION CONFERENCE

Baku State University hosted a Model UN simulation conference titled "Addressing Environmental Issues Worldwide within the Framework of Sustainable Development Goals." Organized by the BSU Volunteers group, the event took place as part of the "Year of Solidarity for a Green World." Model UN simulations annually engage hundreds of thousands of students, helping them develop a deeper understanding of UN principles and how the organization operates.













THE FORESTATION EVENT AND TRAINING WERE HELD

The Faculty of Biology of Baku State University, in collaboration with the Forestry Development Service under the Ministry of Ecology and Natural Resources, is conducting afforestation events titled "Let's Block Carbon" and "Measuring the Carbon Storage Potential of Trees" as part of the Year of Solidarity for the Green World. Held in the forest fund area of the Shabran region, these activities involve students majoring in Plant Protection and Biology. Forestry specialists shared detailed guidance on planting specific species, the terrace method for energy supply and its safety, as well as procedures for calculating tree volume, biomass, carbon content, and the mechanisms of carbon sequestration.





CLEANING ACTION WITHIN THE FRAMEWORK OF THE YEAR OF SOLIDARITY FOR A GREEN WORLD

Within the framework of the “Youth Week 2” project and organized by the BSU Volunteers organization, a cleaning campaign was held at Baku State University dedicated to the Year of Solidarity for a Green World. Active members of TGT and students from various faculties participated in the event, collecting waste across the

university territory to promote cleanliness and involve youth in environmental protection efforts.



A flower-planting action at BSU



A flower-planting campaign was organized at Baku State University within the framework of the Year of Solidarity for a Green World. Students from various faculties participated in the event, planting over 500 flowers across the university grounds. The campaign aimed to support environmental protection, enhance ecological awareness, and contribute to nature.










BSU HOSTS SCIENTIFIC SEMINAR TITLED INCREASING THE NUMBER OF PLANT SPECIES RESILIENT TO ENVIRONMENTAL STRESS IN AZERBAIJAN

A scientific seminar titled "Increasing the Number of Plant Species Resilient to Environmental Stress in Azerbaijan" was held at the Biological Faculty of Baku State University. It was highlighted that 2024 is declared as the "Year of Solidarity for the Green World" in the country, and that the 29th session of the UN Climate Change Conference (COP29) will take place in Azerbaijan this November. The priority of "Country of Clean Environment and Green Growth" until 2030 as one of Azerbaijan's socio-economic



development goals was also emphasized. The seminar focused on plant species resilient to environmental stress, recommending planting evergreen trees and restoring the floristic diversity in areas affected by environmental damage during occupation.



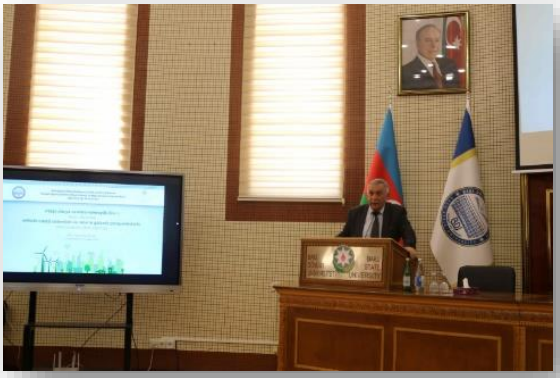


Research on hybrid energy systems is conducted at BSU



Baku State University and the Small and Medium Business Development Agency of Azerbaijan jointly organized a scientific seminar titled "Hybrid Energy Systems and Their Future Prospects" within the framework of the "Year of Solidarity for the Green World." The seminar highlighted Azerbaijan's significant potential in renewable energy sources and ongoing efforts to reduce reliance on traditional energy systems. The advantages of hybrid energy systems that combine wind, solar, water, geothermal, and other sources to provide year-round energy were discussed. The importance of active participation by young researchers in this field was emphasized. Information was also provided

about grant competitions launched by KOBIA and the Youth Fund to support scientific and technical projects. Presentations on green energy sources, the global energy crisis, and innovative solutions were shared, with attendees recognizing the significance of such projects.





AN ECOLOGICAL SEMINAR AND CLEANING CAMPAIGN WERE CONDUCTED THROUGH THE COLLABORATIVE EFFORTS OF BDU AND RİİB.

Baku State University and the "Regional Development" Public Union jointly organized an educational seminar and a cleanup campaign dedicated to April 22 – International Earth Day. During the event, BSU teachers provided detailed information to students in Baku's secondary schools No. 119 and 256 about climate change, its effects on ecosystems, the environment, human health, and students' responsibilities in environmental protection. Government strategies for environmental preservation were also discussed. Following the seminar, volunteers from both



organizations actively participated in a shoreline cleanup in the Turkan settlement area, concluding the event with a lively flash mob displaying an "Earth Day" poster. The primary goal of this initiative was to raise public awareness about Earth Day, enhance environmental education especially among adolescents, and foster a sense of responsibility for nature conservation.

TRAINING AT BSU: THE ROLE OF YOUTH IN THE TRANSITION TO GREEN ENERGY



Baku State University (BSU) is dedicated not only to promoting sustainability on its campus but also to extending educational efforts to the local community. Through various programs and initiatives, BSU raises awareness about energy efficiency and clean energy, encouraging sustainable practices. In cooperation with the Departments of Ecology and Soil Science, Journalism, and the "EkoSfera" Ecological-Social Center Public Union, an interactive training titled "The Role of Young People in the Transition to Green Energy" was held. The training covered prevention of climate change risks, energy security, green energy sources in



Azerbaijan, and the 29th session of the UN Climate Change Framework Convention (COP29). The event concluded with discussions on the role of journalism students in creating media content related to COP29.





BSU STUDENTS AT THE "FROM WASTE TO ART" MUSEUM



Students from the Faculty of History at Baku State University recently visited the “From Waste to Art” museum as part of the “Year of Solidarity for a Green World” initiatives. Established through the initiative of the Heydar Aliyev Foundation, the museum is located within the “Gala” State Historical-Ethnographic Reserve and has been operational since 2015. The museum's mission is to draw attention to environmental issues by showcasing art created from waste materials. During their visit, the students explored artworks made from plastic bottles, polyethylene bags, batteries, and other discarded items. Additionally, they examined the castle walls and archaeological artifacts dating back to the 14th–15th centuries within the reserve.





A GROUP OF STUDENTS OF THE BIOLOGY FACULTY OF BSU HAD AN ENVIRONMENTAL ACTION IN ABSHERON NATIONAL PARK

Students from the Faculty of Biology at Baku State University organized an environmental action under the slogan “We Are Ahead” in Absheron National Park as part of the “Year of Solidarity for the Green World” initiative. Young biologists led a bicycle ride to promote healthy lifestyles and lower carbon emissions. They explored Calligonum bakuense and Astragalus bakuensis-species endemic to the area and threatened by human activities and climate change-and highlighted the importance of ecotourism in nurturing environmental stewardship among students. The initiative is set to continue across other national parks.



BSU STAFF MEMBERS TOOK PART IN A TREE-PLANTING INITIATIVE

Faculty members from the Faculty of Biology of Baku State University, together with representatives from the Ministry of Ecology and Natural Resources, the Yasamal District branch of the New Azerbaijan Party, and the Yasamal District Executive Authority, organized a tree-planting initiative in Mushfigabad settlement as part of the "Year of Solidarity for the Green World." Approximately 700 Eldar pine and olive trees, suited to the soil and climate of the Absheron Peninsula, were planted. The purpose of the action was to raise awareness about environmental improvement, increase green spaces, and contribute to combating climate change.






PAINTING EXHIBITION DEDICATED TO "THE YEAR OF SOLIDARITY FOR A GREEN WORLD" AT BSU

An art exhibition celebrating the Year of Solidarity for the Green World was inaugurated at the Faculty of Chemistry of Baku State University. Organized by the Student Youth Organization and the Student Trade Union Committee, the exhibition featured 30 paintings created by faculty students. Its primary aim was to raise awareness about environmental conservation, mitigate climate change, and encourage students and young individuals to actively engage in these efforts.








REPUBLIC SCIENTIFIC CONFERENCE AT BSU: GLOBAL CLIMATE CHANGE AND MODERN ECOSYSTEM OF AZERBAIJAN

The Faculty of Ecology and Soil Science at Baku State University organized a republican scientific conference titled “Global Climate Change and the Modern Ecosystem of Azerbaijan”, dedicated to the 101st anniversary of National Leader Heydar Aliyev’s birth. The conference began with the playing of the National Anthem and a moment of silence in memory of the revered leader and martyrs. Highlights included reflections on the Leader’s pivotal role in shaping Azerbaijan's independent history and its ecological policies, detailed discussions on the impacts of global climate change on soil, prospects of alternative energy sources, and adaptation strategies in agriculture.












THE STUDENT SCIENTIFIC SOCIETY OF BSU LAUNCHES SEMINAR IN COMMEMORATION OF THE YEAR OF SOLIDARITY FOR A GREEN WORLD



The Student Scientific Society (SSC) at Baku State University launched a seminar series under the "Year of Solidarity for the Green World". The inaugural session brought together representatives from the faculties of Chemistry, Physics, Geography, History, Ecology, and Soil Science. It aligned with Azerbaijan's socio-economic development priority of becoming a "Country of clean environment and green growth" by 2030, emphasizing environmental improvement, reforestation, and efficient use of water and sustainable energy resources. Topics included sustainable urban planning, green infrastructure, hybrid energy systems, and greening strategies. The initiative served as a platform encouraging active student engagement in these critical environmental themes.










BSU DEBATE TOURNAMENT: ADDRESSING ENVIRONMENTAL ISSUES FOR ECONOMIC GROWTH



The 56th Internal Debate Tournament-Empowering Youth Through Debate on Environmental and Economic Issues-was held at Baku State University, organized by the Student Trade Union Committee's "Debate Club". Under the theme "Fighting environmental problems contributes to the country's economy", the two-day event featured around 100 students divided into 21 teams in the Azerbaijani section and 8 teams in the Russian section. In the finals, "Gilas" emerged victorious in the Azerbaijani section, while "Krasnyy Lotos" took first place in the Russian section. Additionally, the tournament recognized the top 20 speakers;

the highest scores were 63.57 points in the Azerbaijani section and 62 points in the Russian section, achieved by students from the Chemistry and Social Sciences & Psychology Faculties respectively.

BSU STUDENT SCIENTIFIC SOCIETY"S SEMINAR SERIES PERSISTS DURING THE YEAR OF SOLIDARITY FOR A GREEN WORLD

The Student Scientific Society (SSC) at Baku State University continued its seminar series under the “Year of Solidarity for the Green World” theme, featuring presentations by students from the Faculties of Biology, History, Geology, and Journalism. Topics included the impact of increased atmospheric carbon dioxide on organisms-specifically drought and salinity stress and proposed solutions; the effects of wars on soil and ecosystems; the creation of green energy zones and smart city/village initiatives in liberated territories; and the environmental impacts of mineral exploration along with mitigation strategies. The seminar served as a platform for deepening students’ engagement with environmental issues and promoting active participation in sustainability topics.



JOINT EVENT BY BSU AND BIOLOGICAL DIVERSITY PROTECTION SERVICE AT SHIRVAN NATIONAL PARK

Baku State University, in partnership with the Biological Diversity Protection Service under the Ministry of Ecology and Natural Resources, held an event to celebrate International Biodiversity Day on May 22 at Shirvan National Park. The program included participation from ministry and university representatives, students from the Faculty of Biology, and community members from the Salyan region. Students visited an exhibition dedicated to biodiversity awareness and received detailed briefings on protected species and ecosystems present in the park-especially those listed in the "Red Book." The event underscored collaborative efforts in biodiversity conservation and served as a strong platform for environmental education and engagement.





BSU STUDENT SCIENTIFIC SOCIETY"S SEMINAR SERIES ON THE "YEAR OF SOLIDARITY FOR A GREEN WORLD" CONCLUDES

The Student Scientific Society (SSC) at Baku State University concluded its seminar series held under the Year of Solidarity for the Green World theme. In the final session, students from the Faculties of Philology, Information and Document Management, Oriental Studies, International Relations & Economics, and History delivered presentations



on various topics. These included Azerbaijan's climate action initiatives, green energy projects in liberated territories, traditional dyeing and carpet weaving, nature poetry in Eastern literature, the concept of green libraries, and sustainable approaches in urban planning. The seminars served as a platform for fostering ecological awareness among students and encouraging their active engagement in related fields.





Interactive lesson for BSU students at Azerbaijan Geology Museum of EMSN

Students from the Faculty of Ecology and Soil Science at Baku State University participated in an interactive lesson on specifically designated as part of the Year of Solidarity for the Green World at the Azerbaijan Geology Museum, under the Ministry of Ecology and Natural Resources. The session provided comprehensive insights into Azerbaijan's geological structure, mineral resources across different geological periods, future raw material prospects, the economics of nature-production

relations, and strategies for maintaining natural balance-enhancing students' ecological awareness and understanding of the country's mineral resource potential.

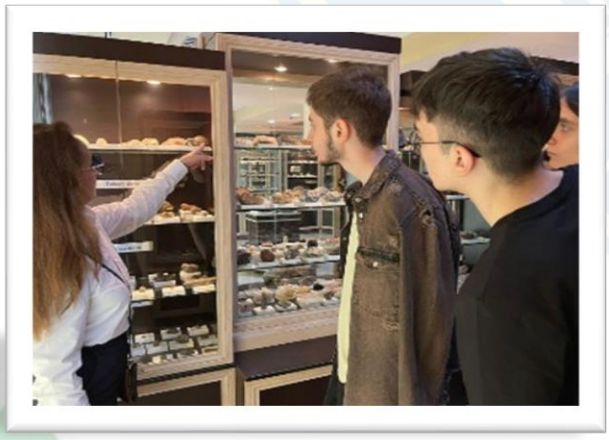












BSU HOSTS SCIENTIFIC SEMINAR ON IMPACT OF CLIMATE CHANGES ON EARTH"S VEGETATION COVER

A scientific seminar titled "The Impact of Climate Changes on the Vegetation of the Earth" was held at Baku State University (BSU) by an associate professor from the Department of Botany and Plant Physiology. The seminar discussed how certain changes in the biosphere result from complex geological and chemical processes occurring within the Earth's inner and outer core, noting that these processes are influenced by solar activity. It was emphasized that geomorphological characteristics significantly impact vegetation, which is a crucial component of the biosphere. Climate factors affect plants, leading to changes in their growth and development phases. The seminar also observed that the planet's vegetation is rapidly changing, with ecological imbalances and increased human-induced events being recorded in specific areas.



THE STATE WATER RESOURCES AGENCY OF AZERBAIJAN ORGANIZED A TRAINING SESSION TITLED: THE IMPACT OF CLIMATE CHANGES ON WATER RESOURCES AT BSU

The Faculty of Ecology and Soil Science at Baku State University organized a training session on "The Impact of Climate Change on Water Resources" in collaboration with the Water and Reclamation Scientific Research Institute of the Azerbaijan State Water Resources Agency. The importance of Azerbaijan hosting the 29th session of the Conference of the Parties to the UN Framework Convention on Climate Change (COP 29) was emphasized. The training provided comprehensive information on water resource management, including the use of the SCADA system for assessing and managing water resources, and discussed the effects of climate change on water resources and aquatic life.



BSU BIOLOGY FACULTY STUDENTS VISIT AZERKOSMOS

Students from the Faculty of Biology at Baku State University participated in an informative tour at the Space Agency of the Republic of Azerbaijan, "Azercosmos," as part of the "Year of Green World Solidarity" seminar. During the tour, students explored the satellite operations room and antenna site used for communication with national satellites. They received detailed information about the applications of aerospace sensing technologies in biology and ecology. Additionally, students were introduced to the biodiversity of the semi-desert ecosystem and rare plant species.



BSU STUDENTS VISIT SHAHDAG NATIONAL PARK



Students from the Faculty of Biology at Baku State University visited the Shamakhi section of Shahdag National Park as part of the "Year of Solidarity for the Green World." They received extensive information about various animal and plant species preserved in the park and familiarized themselves with many rare and endangered species. In the

Karachohra forest, they observed plants such as oaks, beeches, birches, blackthorns, hawthorns, and brambles. Additionally, they visited the Safari Park in the Shamakhi district, where they encountered Altai deer, bison, alpacas, llamas, spotted deer, and other animals.





BSU HOSTS PHOTO COMPETITION DEDICATED TO "THE YEAR OF SOLIDARITY FOR A GREEN WORLD"

A photo contest titled "Our Mother Nature" was held at the Faculty of Social Sciences and Psychology at Baku State University as part of the "Year of Solidarity for the Green World." The competition aimed to enhance the role of young people in environmental protection and foster ecological awareness among students. Students submitted 150 photos of various natural landscapes, with 91 advancing to evaluation and 6 ultimately declared winners. Participants received guidance on photography techniques, and several students from the faculty were among the winners.

Training for BSU students at Altiaghac National Park

A training session was held at Altiaghac National Park on June 5 in honor of Environmental Protection Day, organized through collaboration between the Faculty of Biology at Baku State University and the Biological Diversity Protection Service under the Ministry of Ecology and Natural Resources. The session covered the park's activities, protected species, operations of the Wildlife Restoration Center and Rehabilitation Clinic, bird species observation and tracking methods, as well as the bioecological characteristics of plants and the use of Geographical Information Systems (GIS) in the park.









BSU DISCUSSES THE IMPACT OF GLOBAL WARMING ON NATURAL WATER RESOURCES

The scientific seminar on the effect of global warming on natural water resources was held at the Faculty of Biology of Baku State University. The seminar highlighted that droughts caused by climate change exacerbate water scarcity, with factors like rising water demand, drying of small rivers feeding larger ones, water wastage, and improper usage contributing to the problem. The harmful ecological impact of untreated sewage discharged from industrial enterprises and hospitals into rivers and seas was discussed. The seminar also noted the therapeutic properties and alternative energy potential of Azerbaijan's thermal waters. Unique microorganisms present in the country's cold and high-temperature waters influence water quality through their metabolic processes. The importance of organizing educational activities to raise awareness about water's role in nature and human life, proper water resource management, and the negative effects of wastewater on health was emphasized.





BSU EXPERIENCE DISCUSSED AT THE GLOBAL SUSTAINABLE DEVELOPMENT CONGRESS

Baku State University (BSU) participated in the Global Sustainable Development Congress organized by Times Higher Education (THE) in Bangkok, Thailand, where over 3,000 representatives and more than 350 speakers gathered. Asiman Ilyasov, BSU's Advisor to the Rector on Quality Assurance, presented the university's achievements and future objectives, emphasizing activities under the "Year of Solidarity for the Green World" initiative. He highlighted BSU's progress in international rankings, including a 175-place improvement in the Times Higher Education Impact Rankings 2024, and its commitment to sustainability and quality assurance.





ANALYSIS OF RECENT CHANGES IN THE CASPIAN SEA LEVEL

Farda Imanov, professor at the Faculty of Geography of Baku State University, analyzed modern changes in the level of the Caspian Sea. The Caspian Sea level has long exhibited significant fluctuations, critically affecting the socio-economic development of coastal regions. Instrumental measurements since 1840 indicate that

the highest recorded level was –25.2 m in 1882 and the lowest –29.0 m in 1977, showing a 3.8 m amplitude. Between 2021 and 2023, the average annual level dropped from –28.14 m to –28.69 m in the Azerbaijani sector, a decrease of 55 cm. This decline hinders oil and gas production, fisheries, and both international and domestic ferry operations. The causal factors include increased evaporation, reduced river inflow (notably from the Volga and other rivers), tectonic subsidence, and the destruction of the dam separating Kara-Bogaz-Gol Bay. Climate projections suggest a potential drop of 9–18 m by the end of the century-raising alarm over ecological and economic disaster in the region.

ESTABLISHMENT OF THE ECOLEAD CLINIC AT BSU



At the final Scientific Council meeting of Baku State University's 2023/2024 academic year, the urgent need to investigate and prevent environmental violations through enhanced operational effectiveness and knowledge exchange was underscored, leading to the decision to establish the "ECOLEAD Clinic." On June 24, 2024, during a scientific-practical conference, a Memorandum of Understanding on the "ECOLEAD" project was signed among the Prosecutor General's Office, the Ministry of Ecology and Natural Resources, and the university. The initiative comprises three primary components-EcoLab, Ecoclinic, and "Cerima Park – Nature's Revenge"-designed to mobilize prosecutors, ecologists, universities, and NGOs in coordinated efforts to investigate, prevent, and educate about environmental offenses. The platform particularly focuses on addressing post-conflict ecological challenges in Karabakh and the Eastern Zangezur regions.

BSU VOLUNTEERS JOIN GO CAMP PICNIC PROJECT

Members of the “BSU Volunteers” organization from Baku State University participated in the “Go Camp” picnic project, supported by the Ministry of Ecology and Natural Resources and the Youth Fund, and organized by the Union of Azerbaijan Volunteer Organizations. The project included a hiking trip and interactive games in Altiaghac National Park, Khizi, aiming to promote unity and foster networking among volunteers.









NEW SPECIALIZATION AT BSU: ENVIRONMENTAL ENGINEERING

Baku State University’s Faculty of Ecology and Soil Science has established a new bachelor’s degree program in Environmental Engineering. Within this program, students will be trained in environmental protection methods, water purification

technologies, soil reclamation, mathematical modeling of ecological and natural processes, waste recycling, GIS applications, ecological design, and aerospace and environmental monitoring. They will also learn about protecting air, water, and soil, understanding the impacts of noise, vibration, and radiation, and conducting risk assessments. Graduates will be well-prepared for careers in ecological projects, energy, agriculture, space and international organizations, including institutions like Azercosmos and the National Aerospace Agency.



BSU WILL TRAIN SPECIALISTS IN THE CITY CADASTRE SPECIALIZATION FOR THE 2024-2025 ACADEMIC YEAR



Beginning with the 2024/2025 academic year, Baku State University's Faculty of Ecology and Soil Science has launched a new bachelor's program in City Cadastre. This field focuses on the comprehensive organization, registration, and analysis of urban data, covering legal, environmental, and economic dimensions. The program responds to the need for

modern urban management strategies in the context of restored cities in Eastern Zangezur and Karabakh, emphasizing smart city solutions, sustainable transport, and green energy. Graduates will be equipped with expertise in urban planning, topography, soil science, and environmental protection. Additionally, the curriculum includes collaboration with institutions such as the State Service for Real Estate Affairs, the Urban Planning and Architecture Committee, Azercosmos, and other relevant organizations.

STUDENT ADMISSION ANNOUNCEMENT FOR BSU'S FACULTY OF ECOLOGY AND SOIL SCIENCE

Baku State University's Faculty of Ecology and Soil Science admits students in three main fields and includes five departments. Students and postgraduates can conduct research at the Ecological Chemistry and Environmental Protection Research Laboratory. Undergraduate programs are offered in Ecology, Ecological Engineering, Soil Science and Agrochemistry, and Land Management and Real Estate Cadastre. Graduates find employment in various governmental and private sectors. Instruction is provided in Azerbaijani, Russian, and English.



BSU RECTOR ELCHIN BABAYEV: COLLABORATION AT NATIONAL AND INTERNATIONAL LEVELS IS ESSENTIAL FOR SOLVING ENVIRONMENTAL PROBLEMS



Elchin Babayev, Rector of Baku State University, spoke at a conference in Sheki under the ECOLEAD project, highlighting BSU's efforts in advancing environmental protection through scientific research, education, and legal cooperation. He emphasized the work of the Faculty of Ecology and Soil Science, the establishment of the ECOLEAD Clinic to detect and address environmental violations, and the participation of BSU students in innovative green energy projects, including their qualification for the "TEKNOFEST-2024" festival. The conference also addressed ecological damage caused by Armenia's long-term aggression and discussed legal and scientific measures to combat environmental crimes. Babayev stressed the importance of collaboration among law enforcement, scientific communities, and the public in tackling environmental issues, noting the ECOLEAD platform as a significant step toward these goals.









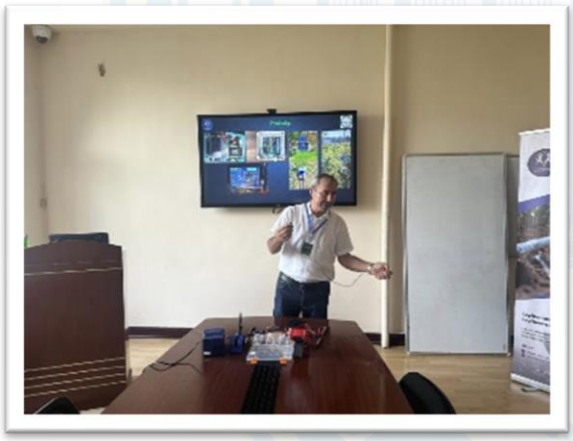
WITH THE CO-ORGANIZATION OF BAKU STATE UNIVERSITY (BSU), THE II INTERNATIONAL CONFERENCE ON "CONSERVATION OF EURASIAN BIODIVERSITY" WAS HELD IN IZMIR

In Izmir, Turkey, Ege University, Baku State University, Andijan State University of Uzbekistan, and Osh State University of Kyrgyzstan jointly organized the II International Conference on "Conservation of Eurasian Biodiversity." The conference featured 110 presentations from four countries and covered topics such as biodiversity conservation, photosynthetic organisms, fungi, bacteria, and monitoring of aquatic ecosystems. Discussions included challenges in genetic biodiversity, new approaches to virus resistance in plants, protection of invertebrates in Eurasia, the impact of anthropogenic effects on ecosystems, plant conditions under climate change, and strategies for conserving rare plant species.



THE NEXT TRAINING OF THE "SMART AGRO TECHNOLOGY" PROJECT HAS BEEN HELD AT BSU

The second training of the "Smart Agro Technology" project was held at Baku State University. The training emphasized the importance of deep knowledge in natural sciences and the role of food security in national security. It highlighted the need to advance agriculture with modern technologies, especially efficient irrigation systems, given Azerbaijan's limited freshwater resources. The focus was on developing a field station for the prototype of a smart irrigation system, discussing current system shortcomings and possible solutions, with participants engaging in practical exercises.







FLOWER PLANTING CAMPAIGN AT BSU

A flower planting campaign dedicated to Knowledge Day was organized by the Student Trade Union Committee (STUC) of Baku State University (BSU). Participants included the STUC, "BSU Volunteers," members of the Student Youth Organization, and students from various faculties. The aim of the campaign was to support environmental protection, enhance ecological awareness, and contribute to nature.





BSU STUDENTS PARTICIPATED IN A TREE-PLANTING CAMPAIGN WITHIN THE FRAMEWORK OF THE "ECOLEAD" PROJECT

A tree-planting campaign dedicated to the "Year of Solidarity for a Green World" was held as part of the "ECOLEAD" project. Officials from the prosecutor's office, the Ministry of Ecology and Natural Resources, and students from Baku State University participated, planting trees suited to the soil and climate conditions of the Absheron Peninsula along Abbas Mirza Sharifzade Street in Baku's Yasamal district. The "ECOLEAD" platform aims to prevent environmental violations, facilitate

experience sharing, and raise public awareness about environmental protection. The project focuses on restoring greenery damaged by environmental crimes across the country and is based on a memorandum of understanding signed between the prosecutor's office, the Ministry of Ecology, and higher education institutions.





A SCIENTIFIC SEMINAR WILL BE HELD ORGANIZED BY BSU WITHIN THE FRAMEWORK OF THE BAKU CLIMATE ACTION WEEK



The Baku Climate Action Week (BCAW) commenced on September 30 and ran until October 4. Organized in collaboration with the London Climate Action Week, the event served as a preparatory platform for the 29th Session of the Conference of the Parties (COP-29) to the UN Framework Convention on Climate Change, scheduled to be held in Baku in November. The event aimed to engage the public in climate change-related activities and strengthen global efforts to combat climate change. As part of BCAW, a scientific conference titled

"Accelerating Research and Collaboration for Climate Action" was held on October 4, 2024, organized by Baku State University. The conference discussed scientific and practical aspects of climate change, including the role of artificial intelligence and advanced analytical tools, impacts on transboundary water resource management, new international cooperation mechanisms, the collection and use of empirical data, innovative climate solutions, as well as the socio-economic impacts of climate change and global policy measures. This comprehensive program opened opportunities for experience, research, and collaboration in the global fight against climate change and marked a significant step in preparation for COP-29.







INTERACTIVE LESSON AT THE NATURAL HISTORY MUSEUM FOR BDU STUDENTS

Interactive teaching methods were applied in the "Biodiversity Conservation" course for fourth-year students of the Ecology and Soil Science Faculty at Baku State University. The lessons were held primarily at the Hasan bey Zardabi Natural History Museum, aiming to visually demonstrate the consequences of biodiversity loss. Students became acquainted with Azerbaijan's paleozoological and paleobotanical monuments, receiving detailed information about fossil and skeletal remains of extinct and ancient species. They learned about fauna samples from the Tertiary and

Quaternary periods found in the Pirakeshkul and Binagadi regions, as well as about the 241 animal species listed in Azerbaijan's "Red Book" of endangered and threatened species.







SCIENTIFIC SEMINAR AT BSU: "THE BIOGEOGRAPHY AND BIODIVERSITY OF AZERBAIJAN"S FLORA IN THE CONTEXT OF CLIMATE CHANGE"

A scientific seminar titled "The Biogeography and Biodiversity of Azerbaijan's Flora in the Context of Climate Change" was held at the Faculty of Ecology and Soil Science at Baku State University. The seminar discussed the distribution of Azerbaijan's vegetation according to relief features, the increase of endemic plant species with altitude, and the anthropogenic impacts on the country's ecosystems. It also covered ongoing biodiversity protection efforts, modern botanical innovations,

and the negative effects of climate change on Azerbaijan's flora richness. At the end of the seminar, students' questions related to the topic were answered.






AN INTERNATIONAL SCIENTIFIC CONFERENCE HAS BEEN HELD ORGANIZED BY BSU AS PART OF BAKU CLIMATE ACTION WEEK

An international scientific conference titled "Accelerating Research and Collaboration for Climate Action," organized by Baku State University as part of Baku Climate Action Week, focused on the scientific and practical aspects of climate change. The conference discussed the role of empirical data, artificial intelligence, and advanced analytical tools in accelerating climate action, the impact of climate

change on transboundary water resource management, international cooperation mechanisms, and the synergy of joint initiatives at the global level. The necessity of adopting national climate strategies and more agile climate policies was emphasized. The event also addressed the socio-economic impacts of climate change and measures to be taken at regional and global levels. This conference served as a significant platform for preparations ahead of COP29.









A SCIENTIFIC CONFERENCE IS BEING HELD ORGANIZED BY BSU AS PART OF BAKU CLIMATE ACTION WEEK

A scientific conference titled "Accelerating Research and Collaboration for Climate Action," organized by Baku State University as part of Baku Climate Action Week, focused on the scientific and practical aspects of climate change. The conference discussed the collection and use of empirical data, the role of artificial intelligence and advanced analytical tools in predicting and combating climate change. It also addressed the impact of climate change on transboundary water resource management, new approaches and international cooperation mechanisms, as well as the synergy of joint initiatives at global and regional levels. Innovative solutions such as carbon capture technologies, renewable energy sources, energy efficiency, and waste reduction were also key topics. The socio-economic impacts of climate change, including economic growth, poverty, migration, food security, and employment, were examined. The conference served as an important step in preparations for COP-29.



AN EVENT TITLED: "SPACE AND CLIMATE CHANGE" HAS BEEN HELD AT BSU

An event titled "Space and Climate Change" was held at Baku State University as part of "World Space Week 2024." The event aimed to highlight the global significance of climate change and the role of space research in this field. During the event, participants were practically introduced to how space technologies are used for monitoring climate change and the importance of real-time data for climate science.

In the main part of the seminar, students engaged in practical tasks related to climate science and space technologies, were presented with examples of climate change derived from space data, and participated in group discussions to understand the role of space in combating climate change. Information was also shared about projects where scientific research is applied in practice.





EVENT ON "COP29 AND GLOBAL CLIMATE CHANGE" AT BSU

A conference titled “COP29 and Global Climate Change” was held at the Faculty of Social Sciences and Psychology of Baku State University. The event highlighted the international significance of declaring 2024 as the “Year of Cooperation for a Green World” and hosting the 29th Conference of the Parties (COP29) to the United Nations Framework Convention on Climate Change in the Republic of Azerbaijan. It was emphasized that the organization of such a significant event underscores Azerbaijan's leading role in international environmental policy and the global fight against



climate change. Additionally, the conference discussed the environmental challenges faced by the country, including the ecological devastation of approximately 20% of its territory due to Armenia's occupation. The restoration of ecological balance in the liberated areas, development of a green economy, and transition to green energy were among the key topics addressed. The importance of implementing major projects and directing investments to these areas was also emphasized.





SCIENTIFIC SEMINAR ON "E-IRRIGATION" AT BSU

A scientific seminar on “E-Irrigation” dedicated to the “Year of Solidarity for a Green World” was held at Baku State University (BSU). The seminar discussed the possibilities of applying robotic technology and artificial intelligence for automatic irrigation, fertilization, and soil monitoring in agriculture. It was noted that the project aims to minimize human labor and increase productivity in agricultural fields. The system developed consists of central and field stations that measure soil moisture, salinity, and temperature using sensors and transmit this data to the central station. The central station analyzes the data with special software to determine the optimal irrigation time and amount, executing it automatically. Farmers can monitor all data

and processes via a mobile application and intervene when necessary. This approach reduces human labor and enhances productivity.





Prosecutor Generals Office, Ministry of Ecology, and BSU Ecolead Project Continues Successfully



In connection with the declaration of the "Year of Solidarity for a Green World," the joint project "Enhancing the Environment: Awareness and Law Enforcement Measures" (ECOLEAD) was successfully implemented by the Prosecutor General's Office, the Ministry of Ecology and Natural Resources (MENR), and Baku State University (BSU). As part of the project, informative posters were installed on various streets, avenues, and parks to raise public awareness about environmental issues. Additionally, a tree-planting campaign was held last month in the Yasamal district, with the participation of officials and employees from the mentioned institutions, as well as BSU students. The ECOLEAD project aims to restore green spaces damaged by environmental crimes across the country. The foundation of the project was laid with a memorandum of understanding signed in June 2024 in Khankandi city between the Prosecutor General's Office, MENR, and BSU. Later, Nakhchivan State University joined the memorandum.

GAME DEDICATED TO THE "YEAR OF SOLIDARITY FOR A GREEN WORLD" HELD AT BAKU STATE UNIVERSITY

An intellectual game titled “What? Where? When?” dedicated to the “Year of Solidarity for a Green World” was held at the Faculty of Chemistry of Baku State University (BSU). The event commenced with the national anthem, followed by a minute of silence in memory of National Leader Heydar Aliyev and the martyrs who sacrificed their lives for Azerbaijan's territorial integrity. In his speech, the Deputy Dean for Social Affairs and Student Affairs of the Faculty of Chemistry emphasized that the holding of the 29th Conference of the Parties (COP29) of the United Nations Framework Convention on Climate Change in our country is an important contribution at the regional and global levels towards environmental protection and prevention of climate change. A total of 11 teams participated in the intellectual game, which was organized in three rounds. According to the results, the “Julius Caesar” team emerged as the winner of the competition.



ROUND TABLE ON "WHO IS THE ENSURER OF ECOLOGICAL AND SOCIO-ECONOMIC SUSTAINABILITY AT COP29" AT BSU

A roundtable discussion titled “Who is the Ensurer of Ecological and Socio-Economic Sustainability at COP29” was held at Baku State University (BSU), jointly organized with the Educational Research Institute (ARTI) and supported by BSU’s Student Youth Organization. This event was part of the 29th session of the Conference of the Parties to the United Nations Framework Convention on Climate Change (COP29). The moderator of the event, head of a department at ARTI, emphasized the importance of conducting awareness campaigns about climate change and COP29 in educational institutions, noting that the topic is highly relevant and that the roundtable would be interesting and thought-provoking for students. She provided information on the efforts being made in Azerbaijan for the protection of the environment and ecology, as well as the measures taken to prevent problems arising from climate change. During the roundtable, presentations were delivered on topics including “Green Economy and Sustainable Development of Agriculture,” “Climate Change and Azerbaijan,” “COP29 as a Provider of Economic Sustainability,” “COP29 and the Promotion of Social Justice: Digital Governance Technologies for Social Equality,” and “The Importance of COP29 for Azerbaijan in the Year of Solidarity for a Green World.” Participating students expressed their views on environmental issues, highlighted the relevance of startup projects related to green energy, and expressed their interest in research in this direction.



A TRAINING SESSION FOR PARTICIPANTS OF THE INTERNATIONAL GREEN STEAM 2024 ON CLIMATE CHANGE

In October 2024, Dr. Lala Bayramova, an associate professor in the Department of Geographic Ecology at Baku State University, conducted a training session on "Climate Change and Resilience" as part of the International Green STEAM Azerbaijan Festival. This event was organized by the "STEAM Azerbaijan" project with the support of the Ministry of Science and Education and the COP29 Presidency. As a specialist from the COP29 Azerbaijan Operating Company, Dr. Bayramova provided information on climate change, global warming, green technology, forest ecosystems, and the impact of transportation sector emissions on the environment. She discussed the harmful effects of climate change on human life and answered questions from the participants. The festival aimed to promote STEAM-based education, develop 21st-century skills among learners, and uncover creative talents. Additionally, it was related to the hosting of the 29th session of the Conference of the Parties to the UN Framework Convention on Climate Change (COP29) in Azerbaijan and the declaration of 2024 as the "Year of Solidarity for a Green World" in our country.



A SCIENTIFIC SEMINAR DEDICATED TO GLOBAL CLIMATE CHANGE HAS BEEN HELD AT BSU

A scientific seminar dedicated to global climate change was held at Baku State University (BSU) as part of the "Year of Solidarity for a Green World." The seminar was organized by the BSU Student Scientific Society (SSC), with participation from students of the faculties of Ecology and Soil Science, Physics, Chemistry, Biology, Journalism, Geography, Philology, Mechanics and Mathematics, Social Sciences and Psychology, Information and Document Management, International Relations and Economics, History, and Oriental Studies. Speakers included Mais Suleymanov, Director of the Center for Organizing Scientific Activities and Innovations at BSU; Parvana Khidirova, Deputy Chair of the Public Union "Center for Global Cooperation and Analytical Research"; Elchin Sardarov, COP29 Coordination Coordinator for WWF Azerbaijan; Elana Alizade, Climate Change Expert at WWF Azerbaijan; and Gunel Hajaliyeva, Chair of the Ecology and Soil Science Faculty's Student Scientific Society at BSU. The seminar addressed topics such as Azerbaijan's role in climate change mitigation under COP29, water resource management, the importance of ecological journalism, and the role of youth in environmental protection. The event aimed to raise awareness among students about climate change and enhance their participation in the preparation for COP29.



“CLIMATE WEEK” AT THE YOUNG TALENTS LYCEUM

The "Climate Week" project was implemented at the "Young Talents" Lyceum under Baku State University, with the support of the Youth Foundation of the Republic of Azerbaijan and the "BSU Volunteers" organization. The aim of the project was to raise ecological awareness among students and to develop knowledge, skills, and behavioral habits related to environmental protection. Within the framework of the "Climate Week" project, discussions were held on topics such as "Climate Change and COP29," "The Impact of Climate Change on Azerbaijan's Biodiversity," "Soil and Its Diversity," and "Forests and the Environment." The "Climate Week" project continued until November 4th.







BSU VOLUNTEERS HELD A TRAINING SESSION ON SDG AT THE COLLEGE OF ECONOMICS AND HUMANITIES UNDER BSU

A training session on the Sustainable Development Goals (SDGs) was held at the College of Economics and Humanities under Baku State University (BSU), organized by the BSU Volunteers. During the session, Qasim Khalilov, head of the BSU Volunteers for the Faculty of International Relations and Economics, discussed the importance of environmental and climate framework conferences, the role of SDGs, and the significance of COP29 held in Azerbaijan. Following the presentation, participants were divided into groups and engaged in interactive tasks, presenting solutions to various issues using SDGs. At the end of the session, students were awarded certificates under the slogan "Join for Sustainable Development!"





AN ART EXHIBITION DEDICATED TO COP29 AT BSU

An art exhibition dedicated to COP29 was held by the Student Youth Organization (SYO) of Baku State University (BSU). The exhibition featured nearly 20 artworks by BSU students. Through their works, the students conveyed powerful messages emphasizing the importance of protecting the environment, the use of green technologies, and the proper utilization of natural resources. The goal of the

exhibition was to encourage young people to approach environmental issues with sensitivity.

BSU STUDENTS AT THE "GREEN HOMELAND, GREEN WORLD" EVENT-EXHIBITION

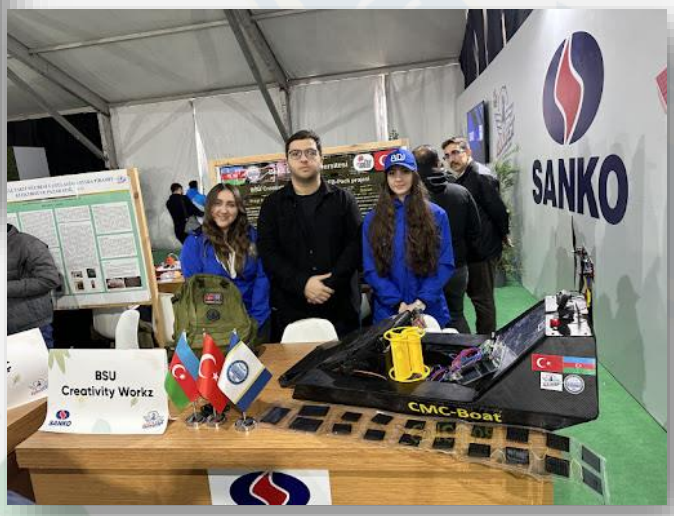
Students from the Faculty of Ecology and Soil Science at Baku State University (BSU) participated in the “Green Homeland, Green World” event-exhibition, organized jointly by the Azerbaijan Independence Museum and the Azerbaijan Academy of Arts. Held within the framework of the “Year of Solidarity for a Green World” and COP29, the exhibition showcased over 40 works, including paintings, printmaking, posters, and tapestries. These artworks vividly reflected the love of the Azerbaijani people for their homeland and the rich and diverse nature of Azerbaijan. During the artistic segment of the exhibition, students from the Bulbul Music School performed live music.



BSU TEAM HAS SECURED A SPOT IN THE FINAL OF THE INTERNATIONAL COMPETITION WITH THEIR "SUPERCAPBACK" PROJECT

The Baku State University (BSU) team “BSU Creativity Workz” secured a spot in the final of the “E-Mobility Innovation and Startup Competition” held within the “EV Charge Show” in Istanbul from November 13 to 15, 2024. This international event is the world's only exhibition and conference dedicated to electric vehicle charging technologies and infrastructure. The team presented their project “SuperCapBack,” developed at BSU's Student Scientific and Technical Creativity Center. The project aims to enhance battery efficiency in electric vehicles by replacing traditional Li-ion batteries with a dual-layer EDLC supercapacitor + Li-ion hybrid combination. This approach minimizes the harmful effects of fluctuating and high-amperage constant currents generated during regenerative braking and acceleration, thereby maintaining battery efficiency and extending its lifespan.





NEW UNIQUE PROJECT – "ECO SPACE" AT THE UNIVERSITY

In November 2024, Baku State University (BSU) launched a new and innovative project named "Eco Space." This initiative was established within the framework of COP29 to promote environmental education and sustainable development. "Eco Space" provides BSU students and researchers with practical knowledge to address ecological issues. The project was implemented in collaboration with "Bayramli Group," "LU-MUN Holding," and "Azecolab." During the opening ceremony, BSU Rector Elchin Babayev highlighted the significance of the installed aquaponics system, bioreactor, and other modern technologies. "Eco Space" also aims to conduct awareness-raising activities on ecological matters for BSU students and students from other higher education institutions.









BSU STUDENTS SUCCESSFULLY PARTICIPATE AS VOLUNTEERS IN COP29

Azerbaijan's position as host of COP29 offered a vital platform for youth engagement. Nearly 200 Baku State University (BSU) students served as volunteers for the 29th session of the UN Climate Change Conference (COP29) in Baku, contributing actively to the conference's organization and success. Through their work, these students promoted environmental protection, advocated for the rational use of natural resources, assisted delegations, and embodied both national pride and a commitment to global climate action.





THE PRESENTATION CEREMONY OF THE AZERBAIJANI VERSION OF THE "CLIMATE CHANGE GUIDE FOR LEGISLATORS" HAS BEEN HELD

A presentation ceremony was held at ADA University (the official academic partner of COP29) for the Azerbaijani version of the Climate Change Guide for Legislators, translated by GLOBE International from the original October 2024 publication by Peers for the Planet and the University of Exeter. The guide, developed with contributions from world-leading climate scientists, offers policymakers-including parliamentarians up-to-date scientific insights on climate change to support informed decision-making. Among those present were BSU Rector Elchin Babayev (author of the guide's foreword), ADA University Vice-Rector and MP Fariz Ismayilzadeh, University of Exeter President and Vice Chancellor Lisa Roberts, and Baroness Hayman, Chair of Peers for the Planet.



ROUND TABLE ON “ECOLOGICAL AWARENESS, ECOLOGICAL EDUCATION, ECOLOGICAL CULTURE” AT BSU

A roundtable on the theme "Ecological Awareness, Ecological Education, Ecological Culture" was held at the Department of Philosophy of the Faculty of Social Sciences and Psychology at Baku State University (BSU). The Head of the Department, Kamala Panahova, emphasized that COP29 is a critical event for both our country and the world, and that ecological awareness requires personal will, ecological action, the exchange of experience, and the dissemination of ecological culture within society. Deputy Dean Nazakat Karimova noted that ecological issues do not recognize national borders and ignoring them will inevitably lead to undesirable consequences. Faculty members Ismail Alekberov, Zeynab Manafova, Aysan Aliyeva, and Malahat Mammadova discussed the history of COP, its significance in Azerbaijan, the “smart city” and “smart village” projects in liberated territories, the necessity of creating national reserves, and the paramount importance of ethical responsibility and a sense of justice in combating climate change.



THE PROJECT "GREEN DIALOGUE: INNOVATION AND INTERNATIONAL COOPERATION PLATFORM" HAS STARTED IN COLLABORATION WITH BSU



Within the framework of COP29, the “Green Dialogue: Innovation and International Cooperation Platform” project was launched in partnership with the State Support Agency for Non-Governmental Organizations of the Republic of Azerbaijan, Baku State University (BSU), the Public Union for the Progress of Karabakh, and the African Youth Development Foundation. As part of the project, a panel discussion was held on November 16 in the COP29 Green Zone, featuring topics such as “The Importance of Sustainable Development,” “Climate Education for Future Generations,” “Assessment of Management Efficiency in Methane (CBM) Production from Gas Fields and CO_2 Capture,” and “Green Logistics: Overcoming Investment and Implementation Barriers.” The main goal of the project is to strengthen public awareness and international cooperation in addressing ecological issues like water scarcity, soil salinization, and forest resource depletion. Additionally, the “Green Dialogue Forum” was established to host an annual forum bringing together government representatives, private sector experts, and academic community members.

SCIENTIFIC SEMINAR AT BSU: "GREEN LIBRARY CONCEPT"

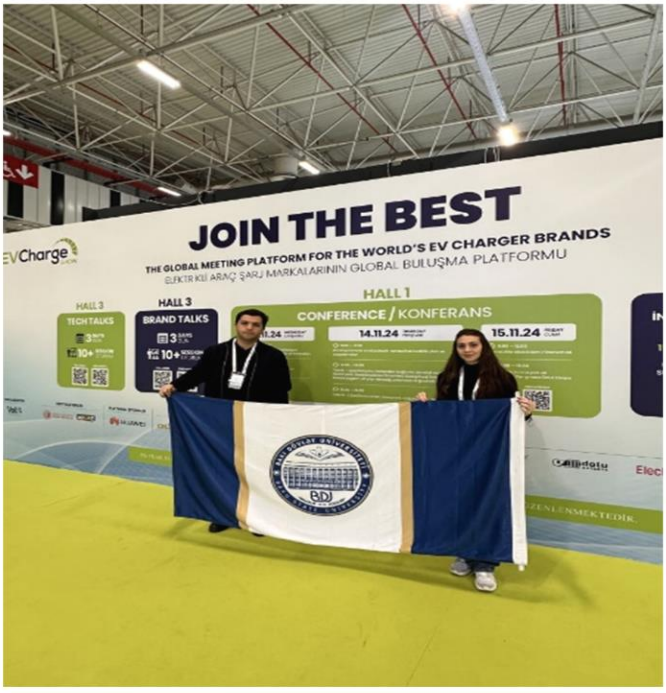
At the Faculty of Information and Document Management of Baku State University (BSU), a scientific seminar dedicated to Azerbaijan's "Green World Solidarity Year" was held. During the seminar, Associate Professor Parviz Kazimi from the Library Science Department presented on the "Green Library Concept" and highlighted the significance of President Ilham Aliyev's decree declaring 2024 as the "Green World Solidarity Year." The discussion included various ongoing projects and emphasized that hosting COP29 in Azerbaijan signifies international trust in the country and its leadership. Kazimi explained the role and importance of green libraries in society, drawing on IFLA reports to examine their purpose, architecture, and goals at a scientometric level. He noted the challenges of expanding, standardizing, and certifying green libraries and underscored the need for infrastructure that prioritizes energy conservation, environmental protection, and human health. The seminar also addressed the existing resources and potential of libraries in Azerbaijan in this area.





BAKU STATE UNIVERSITY (BSU) PARTICIPATED IN THE "EV CHARGE SHOW" – A GLOBAL MEETING PLATFORM FOR MANUFACTURERS OF ELECTRIC VEHICLE CHARGING STATIONS

Baku State University (BSU) participated in the “EV Charge Show” — the global meeting platform for electric vehicle charging station manufacturers. The conference took place in Istanbul from November 13 to 15, 2024, with the aim of advancing battery and charging technologies for EVs, supporting innovative digital solutions, and promoting clean energy projects. It featured presentations from 151 companies showcasing various charging stations, battery technologies, and IoT-based charging system solutions. BSU’s Student Scientific and Technical Creativity Center shared information about their “SuperCapBack Hybrid Battery” and “Clean-Charge Fast Charging Station” projects and engaged in discussions with manufacturers. Notably, BSU’s “BSU Creativity Workz” team reached the finals of the “E-Mobility Innovation and Startup Competition,” securing a spot among the top 8 teams out of 220 submissions.



BSU IS RANKED FIRST IN AZERBAIJAN ACCORDING TO THE "QS SUSTAINABILITY RANKING 2025" RESULTS!

	On November 18, 2024, within the framework of COP29, QS Quacquarelli Symonds announced the "QS World University Sustainability Rankings 2025." Baku State University (BSU) achieved remarkable success, placing in the 941–950 range—marking it as the only Azerbaijani university in the global Top-1000 for sustainability and advancing over 350 positions compared to the previous year.





DISCUSSION PANEL OF THE "GREEN DIALOGUE: INNOVATION AND INTERNATIONAL COOPERATION PLATFORM" PROJECT

As part of COP29, the next panel discussion of the “Green Dialogue: Innovation and International Cooperation Platform”-launched in collaboration with the State Support Agency for Non-Governmental Organizations of the Republic of Azerbaijan, Baku State University (BSU), the Public Union for the Development of Karabakh, and the African Youth Development Fund-was held in the Green Zone. Moderated by Sanan Ağayev from the Public Union for the Development of Karabakh, the session featured Professor Tunji Asaolu (Vice President of the African School of Diplomacy and International Relations and Head of the African Youth Development Fund), Asiman Ilyasov (Advisor to the BSU Rector on Quality Assurance), and Liya Bayramova (Executive Director of GEM CRS).Professor Asaolu presented on “Building a Sustainable Future: Key Focus Areas,” Ms. Bayramova spoke about “Climate Education and Awareness for Children,” and Mr. Ilyasov addressed the “Importance of Quality Assurance and Rankings for Sustainable Development Goals in Higher Education”. The main goal of the project is to strengthen social awareness and international cooperation in addressing ecological challenges such as water scarcity, soil salinization, and forest resource depletion. Additionally, the “Green Dialogue Forum” was established as an annual gathering bringing together government representatives, private sector experts, and members of the academic community.





BSU HAS BEEN REPRESENTED IN THE BLUE ZONE OF COP29 WITH THE "CLEAN-CHARGE" PROJECT, WHICH IS THE WINNER OF THE 5TH GRANT COMPETITION OF THE SME DEVELOPMENT AGENCY

Ilyas Nasibov, Director of the Student Scientific and Technical Creativity Center at Baku State University, presented the "Clean-Charge – 22 kWh AC Fast Charging Station" project, winner of the 5th Grant Competition organized by the Small and Medium Business Development Agency, at the "Business, Investment, and Philanthropy Climate Platform" held in the Blue Zone of COP29. The project aims to provide fast charging of electric vehicles using clean energy, even where there is no electrical grid. The 22 kWh station, powered by solar and wind energy, will be installed in December at BSU's car park and will support charging standards from China, Europe, and the USA. Charging will be free for BSU faculty and students



AN “ECOLOGICAL CARTOGRAPHY” TEXTBOOK FOR UNIVERSITIES HAS BEEN PUBLISHED AT BSU

Within the framework of the "Year of Solidarity for the Green World," the Department of Geodesy and Cartography at the Faculty of Geography, Baku State University, has published a university textbook titled "Ecological Cartography." Co-authored by Associate Professor Afghan Talibov, head of the department, and lecturer Irina Verpatova, the textbook aims to improve the quality of teaching in the course both at BSU and other universities, providing students with a program-based resource in their language of instruction. Comprising five chapters and thirty topics, the book covers the essence of ecological cartography, methods for studying ecological conditions, the mathematical and geographical basis of ecological maps, and the use of aerocosmic materials. It includes images, tables, questions, practical tasks, and a glossary of over 300 terms. The scientific editor is Professor Maqsad Qocamanov, Dean of the Faculty of Geography, with Associate Professors Ramiz Ahlimanov and Shamil Azizov serving as reviewers. Notably, this is the first textbook on ecological cartography published in Azerbaijani with such comprehensive content.



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, Shabnam Safarova, advisor to the BSU rector on digitalization and IT, emphasized that the SDGs, defined by the UN in 2015, are a global call to address challenges such as poverty, inequality, climate change, and quality education, with universities playing a vital role through education, research, and collaboration. Speakers including BSU's advisor on quality assurance Asiman Ilyasov, Fariz Quliyev from the State Agency for Science and Higher Education, Latifa Nasibova from the French-Azerbaijani University, and Qanira Mammadzada from the Azerbaijan University of Architecture and Construction highlighted that higher education institutions serve as innovation hubs advancing SDGs by offering courses on sustainable development and fostering international cooperation through exchange programs and joint research. These partnerships help equip students and faculty with knowledge and skills to address real-world problems and prepare future leaders for a sustainable and just world. BSU Rector Elchin Babayev discussed the impact of SDGs on university activities and congratulated universities on their achievements in international rankings, attributing these successes to their alignment with sustainable development goals in recent years.







THE "IRRIGO – SUSTAINABLE RURAL AGRICULTURE ECOSYSTEM," DEVELOPED AT BSUS STUDENT SCIENTIFIC AND TECHNICAL CREATIVITY CENTER, WAS PRESENTED AT COP29

Baku State University's (BSU) "BSU Creativity Workz" team successfully participated in the "Green Tech Karabakh" project during the COP29 conference by presenting the innovative agro-technical solution, the "Irrigo" smart irrigation system. Irrigo is a next-generation agricultural model designed to minimize freshwater usage in irrigation, purify water unsuitable for irrigation from organic pollutants, salts, and heavy metals, and create an ecosystem that ensures the circulation of this water within the system. The project not only conserves water resources but also optimizes material and time efficiency. Featuring modern capabilities like remote control and synchronization with weather forecasts, the system offers invaluable benefits for agriculture. During the presentation, international participants closely examined Irrigo's efficiency, its potential to reduce costs, and its positive impact on ecosystem preservation, showing great interest in the innovative solutions offered.



A REPUBLICAN SCIENTIFIC CONFERENCE ON THE TOPIC "MODERN PROBLEMS OF ECOLOGICAL CHEMISTRY AND ENVIRONMENTAL PROTECTION" IS BEING HELD AT BSU

A Republican Scientific Conference on "Modern Problems of Ecological Chemistry and Environmental Protection" was held at Baku State University (BSU) to commemorate the university's 105th anniversary and the 20th anniversary of the Department of Ecological Chemistry. BSU Rector Elchin Babayev emphasized Azerbaijan's active role in global energy security, climate crisis mitigation, and the transition to a green economy, noting the declaration of 2024 as the "Year of Solidarity for a Green World" as a key driver for environmental goals. He highlighted the expansion of the university's environmental research, the establishment of the ECOLEAD Clinic, and the "Eko Mekan" initiative. The Department of Ecological Chemistry, founded in 2004 under academician Rafiga Aliyeva and led by Professor Sevinj Hajiyeva, conducted extensive research on the ecological status of Karabakh, Eastern Zangazur, Absheron lakes, and the Kura River, focusing on synthesizing new organic compounds and innovative wastewater treatment methods. Over 206

scientific articles from more than 30 organizations were submitted to the conference, with 178 accepted for publication.



BSU VOLUNTEERS HAVE BEEN AWARDED

	With the support of the Youth Foundation and organized by the Azerbaijan Volunteer Organizations Alliance, in partnership with the Ministry of Ecology and Natural Resources, the Ministry of Youth and Sports, ASAN Service, and the IDEA Public Union, the "VII Solidarity Forum of Azerbaijani Volunteers," dedicated to the "Year of Solidarity for a Green World," was held. Within the forum, Ismail Zeynalov, Vice President of the "BDU Volunteers" organization, was awarded the title of "Volunteer of the Year" in the "Volunteering in State Institutions" category. Additionally, Rustam Aliyev, Vice President of "BDU Volunteers," and Mirhuseyn Taghiyev, the organization's Manager of Club Activities, were also honored with diplomas for their outstanding contributions to volunteer work in 2024.



AS PART OF THE 105TH ANNIVERSARY OF BAKU STATE UNIVERSITY, THE FACULTY OF ECOLOGY AND SOIL SCIENCE PRESENTED: "THE GREEN THINKING SPACE."



As part of the 105th anniversary of Baku State University (BSU), the Faculty of Ecology and Soil Science organized a presentation titled "The Green Thinking Space." During the event, BSU's Vice-Rector for Educational Organization and Teaching Technologies, Farida Imanova, highlighted that despite being the youngest faculty, the Faculty of Ecology and Soil Science conducts successful scientific research on ecological problems, soil science, and global climate change. She emphasized the urgency of addressing global threats to environmental stability and the growing demand for specialists in this field. The Dean of the Faculty, Akif Aghbabali, reviewed the faculty's history, noting its establishment following the declaration of 2010 as the "Year of Ecology" in Azerbaijan and its official opening in March 2011. He shared that the faculty consists of five departments, two laboratories, and a staff of 45, educating 870 undergraduates, 85 master's, 9 doctoral, and 4 dissertation students, with graduates actively involved in restoration efforts in liberated territories. Professor Sevinc Haciyeva, Head of the Department of Ecological Chemistry, underscored the faculty's significant role in ecological education, research, and involvement in national environmental protection programs. Professor Shovgi Goychayli from the Department of Geographical Ecology spoke about the visionary policies since National Leader Heydar Aliyev's era that have improved Azerbaijan's ecological situation and enhanced specialist training in the field.

AN INTERNATIONAL CONFERENCE ON "ADVANCED MATERIALS FOR SOLVING BIOMEDICAL AND ECOLOGICAL PROBLEMS" IS BEING HELD UNDER THE ORGANIZATION OF BSU AND ICESCO

An international conference titled "Advanced Materials for Solving Biomedical and Ecological Problems" and the opening ceremony of the "I BSU School on Green and Sustainable Science and Education" were held at Baku State University (BSU) as part of its 105th anniversary and the "Year of Solidarity for a Green World." Jointly organized by BSU and the Islamic World Educational, Scientific and Cultural Organization (ICESCO), the event began with the national anthem and a minute of silence honoring National Leader Heydar Aliyev and martyrs. BSU Rector Elchin Babayev highlighted the university's long history of scientific research and the vital role of its partnership with ICESCO, particularly through the Biomedical Materials Department, in advancing biomedical and ecological research. Participants from Turkey, Kazakhstan, and Bulgaria emphasized the importance of international cooperation in addressing global ecological and biomedical challenges. During the plenary session, Yusuf Baran from Turkey presented on "Drug Resistance in Cancer," and Professor Ulviyya Hasanova, head of BSU's ICESCO Biomedical Materials Department, spoke about science and research based on international collaboration. The event focused on strengthening regional and international cooperation in science, education, and solving ecological problems.



OPENING CEREMONY OF THE "I BSU SCHOOL ON GREEN AND SUSTAINABLE SCIENCE AND EDUCATION"

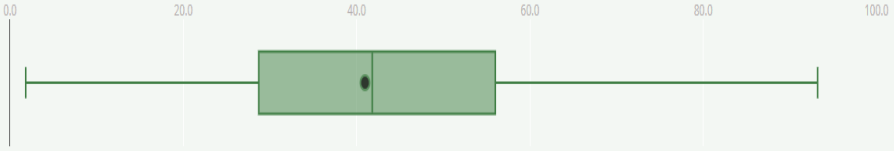
	An opening ceremony for the "I BSU School on Green and Sustainable Science and Education" was held at Baku State University (BSU), jointly organized with the Islamic World Educational, Scientific and Cultural Organization (ICESCO) and the "Erasmus+ Jean Monnet Module" project. The event was dedicated to BSU's 105th anniversary and the "Year of Solidarity for a Green World." The school aims to explore the potential of green skills and innovative technologies in achieving the Sustainable Development Goals. Organized by leading scientists and education experts from BSU and international organizations, it provides an inclusive platform for knowledge exchange and collaboration, focusing on key topics such as nanotechnology, sustainable agriculture, drug design, and ecological safety.



THE Impact Rankings Result

13 CLIMATE ACTION

SCORE 41.0 RANK 401–600 out of 1089 institutions



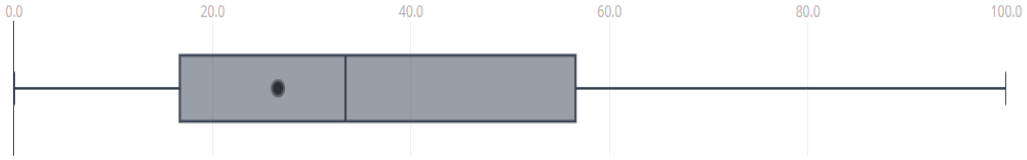
SCORE 20.0 Research on climate action

27% OF THIS SDG



SCORE 26.6 Low carbon energy use

27% OF THIS SDG

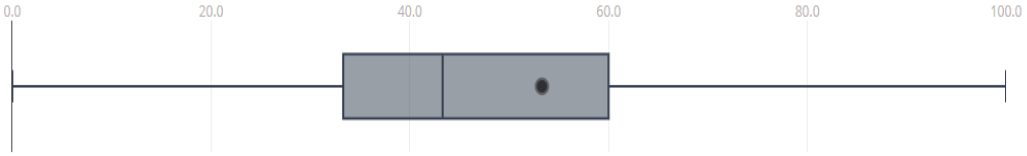


http://sdg.bsu.edu.az/

13 CLIMATE ACTION

SCORE
53.3 **Environmental education measures**

23% OF THIS SDG



SCORE
70.0 **Commitment to carbon neutral university**

23% OF THIS SDG



OVERALL RANK

401–600 out of **2318** institutions

THE IMPACT RANKINGS

13

CLIMATE ACTION

SCORE **41.0**

RANK **401–600** out of **1089** institutions

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

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

UI GreenMetric World University Rankings

3. WORLD RANKINGS HISTORY

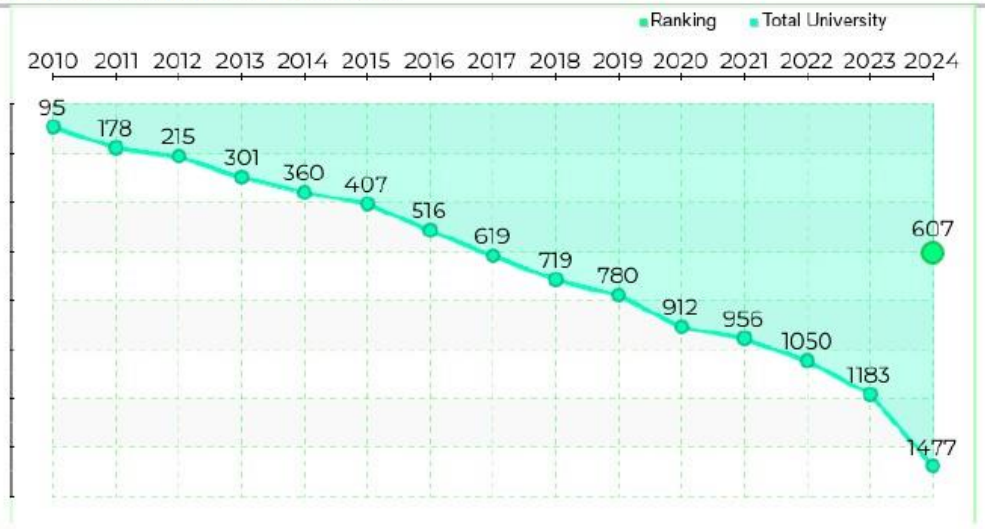


Figure 3.1 World Rankings History Diagram

4. RANKING IN AZERBAIJAN



http://sdg.bsu.edu.az/

13 CLIMATE ACTION

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
41.19%

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%

MEMBERSHIPS:

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

ISCN
International Sustainable Campus Network

CANiE
climate action network

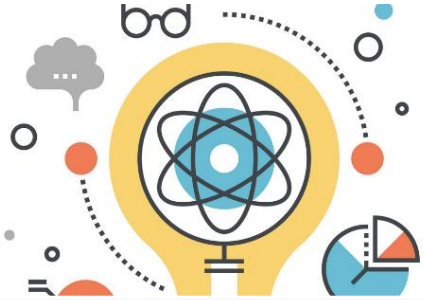
GUNI
GLOBAL UNIVERSITY NETWORK FOR INNOVATION

Research

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		

CONCLUSION





Research and Innovation

- BSU faculty and researchers participate in cutting-edge projects related to sustainability, flood protection, early warning systems, and disaster prevention. As a result, in research papers and policy analyses, which are disseminated to inform and support local and regional governments.

Promoting Climate Change Awareness

- BSU contributes to increasing public awareness of climate change's impact on water resources and the environment through collaboration with organizations like the Water Experts Union and IHP Azerbaijan NGO.





Specialized Programs

- BSU plans to offer master's degree programs in climate change adaptation and related fields, contributing to capacity building for climate change experts.

International Collaboration

- The university is actively engaged in international and regional projects related to climate change, such as the Erasmus+ Geospatial Engineering for Climate Change Adaptation of Coastal Ecosystems.



Ambitious GHG Emissions Reduction Goals

- BSU has set ambitious and quantifiable greenhouse gas (GHG) emissions reduction targets, aligning its efforts with global climate objectives.



Comprehensive Education and Training

- BSU conducts education programs and campaigns on climate change risks, impacts, mitigation, adaptation, impact reduction, and early warning systems.

FUTURE GOALS

By taking these future steps, BSU can continue to play a significant role in climate action, sustainability, and environmental education both locally and on the global stage.

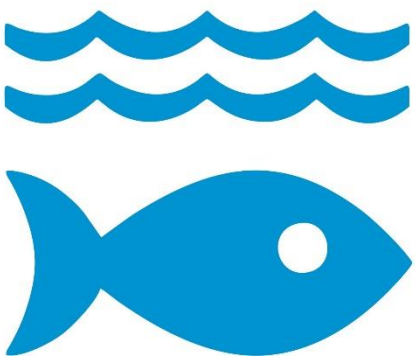
To further advance its efforts in addressing climate change and sustainability, Baku State University (BSU) can consider the following future steps:


Dissemination of Knowledge
Enhanced Climate Education
Sustainable Programs Development
Public Awareness Campaigns
Renewable Energy Initiatives
Strategic Partnerships
Climate Action

Baku State University

2024 REPORT ON

14 LIFE BELOW WATER



2024

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.









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.

Logo of the "Sustainable Harmony of Nature" club







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



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



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.





University works directly with researchers to minimize or prevent damage to aquatic ecosystems. Tahir Javadzadeh, a doctoral student of the Department of Analytical Chemistry of the Chemistry Faculty, has successfully completed his 3-month research work at La Sapienza University of Italy. Tahir Javadzade obtained a natural sorbent from food waste at the "Ingegneria Chimical Materiali Ambiente" department under the scientific guidance of Professor Luca Di Palma of La Sapienza University. This sorbent could remove heavy metals from wastewater. The possibility of applying natural sorbents that remove copper from wastewater with a high percentage in the treatment of oil-contaminated waters of the Absheron Peninsula is also included in the research plan.





http://sdg.bsu.edu.az/

14 LIFE BELOW WATER

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







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.

EXCURSION TO BAKU ZOOLOGICAL PARK

An excursion was organized on World Wildlife Day at Baku Zoological Park by the Faculty of Ecology and Soil Science through the "BSU Volunteers" initiative. During the visit, participants were informed about Azerbaijan's *Red Book* program, which supports the protection and reintroduction of endangered species, and explored unique examples of local fauna.













STUDENTS OF BIOLOGY FACULTY IS ON FIELD TRIP

At BSU, staff participated in an event held on May 22 for the International Day of Biodiversity at the Kur-Experimental Sturgeon Farming Plant in Neftchala, operated by an "Azerbaijan Fish Farm" subsidiary. The gathering included officials from local executive authorities, the Ministry of Agriculture, the UN Food and Agriculture Organization (FAO), the diplomatic corps, and university representatives. Following the program, attendees took part in releasing 50,000 sturgeon fingerlings from the hatchery into the Caspian Sea to support environmental preservation and biodiversity restoration.









AN ECOLOGICAL SEMINAR AND CLEANING CAMPAIGN WERE CONDUCTED THROUGH THE COLLABORATIVE EFFORTS OF BDU AND RİİB



A collaborative effort between BSU and the "Regional Development" Public Union marked April 22—International Earth Day—with an educational seminar and a cleanup campaign. Teachers from BSU provided students at secondary schools No. 119 and 256 in Baku with insights on climate change, its effects on ecosystems, environmental and human health, and the students' role in safeguarding the environment. The activities culminated in a shoreline cleanup in the Turkan settlement, followed by a flash mob featuring an "Earth Day" poster. The initiative aimed to raise environmental awareness, especially among youth, and cultivate a sense of responsibility toward environmental stewardship.





COLLABORATIVE STURGEON GENOME ANALYSIS CONDUCTED WITH BSU

In collaboration with BSU, LU-MUN HOLDING, the İzmir Institute of Technology, Bayramlı Group, and Turkey's Letgen Biotechnology, genetic research was conducted on sturgeon populations in Azerbaijan's Caspian waters to verify their endemic origins. Microsatellite analysis across six loci in 125 individuals identified 90 alleles, revealing a distinct genetic structure that enables accurate discrimination between pure species and hybrids—crucial for authentic caviar sourcing. The project also involves ongoing efforts to collect additional samples and geographically map sturgeon populations to complete the genetic profiling of Azerbaijan's endemic sturgeon species.





THE STATE WATER RESOURCES AGENCY OF AZERBAIJAN ORGANIZED A TRAINING SESSION TITLED: THE IMPACT OF CLIMATE CHANGES ON WATER RESOURCES AT BSU



Faculty of Ecology and Soil Science, in partnership with the Water and Reclamation Scientific Research Institute of the Azerbaijan State Water Resources Agency, organized a training session on “The Impact of Climate Change on Water Resources”, emphasizing Azerbaijan’s role in hosting COP29. Participants learned about water extraction, treatment, transportation, irrigation, and resource management, as well as the advantages of applying digital technologies like SCADA systems for monitoring. The seminar also included expert presentations on the effects of climate change on water resources and aquatic ecosystems. This initiative aimed to enhance student awareness and capacity in managing water sustainably within the context of evolving climate challenges.





Fourth-year students from BSU's Faculty of Biology — specializing in Biology, Water Bioresources, and Aquaculture—participated in a field study in the Guba and Lankaran regions. The biology students trained in insect, mammal, and bird identification, studied habitats, diet, and movement patterns in the Nugadi and Gachrash villages, and examined forest and meadow ecosystems—including relic chestnut oak and ironwood forests—focusing on plant structure, mountain zonation, and species classification while preparing herbarium specimens. Meanwhile, students specializing in Water Bioresources and Aquaculture gained hands-on experience observing freshwater otters in Gizilagaj National Park, studied local fish species in the Caspian Sea and regional rivers, and conducted laboratory analyses of water and algae samples.







ANALYSIS OF RECENT CHANGES IN THE CASPIAN SEA LEVEL



Farda Imanov, professor at the Faculty of Geography of Baku State University, analyzed modern changes in the level of the Caspian Sea. The Caspian Sea—vital for regional biodiversity and economies—is facing significant challenges due to long-term water level fluctuations, which threaten oil and gas operations, fisheries, and maritime transport, while also disrupting fish habitats. Instrumental records from the 19th century show water levels ranging from –25.2 m to –29.0 m, with a fluctuation amplitude of 3.8 m. During the 20th century, three distinct low-level phases occurred: a stable level (~–26.3 m) from 1900–1929, a sharp decline by 3.2 m from 1930–1977 that drained up to 50,000 ha of coastal land, followed by a rapid rise of about 2.5 m. The recent decades have seen renewed decline, with levels dropping approximately 2 m between 1996 and 2023, primarily due to reduced river inflow (notably from the Volga—about 70% of total input) and intensified evaporation driven by rising temperatures, amplified by geological, hydrometeorological, and human-induced factors. Additionally, the destruction of a key dam to Kara-Bogaz-Gol lagoon in 1992 altered the sea's hydrological balance. These



trends underscore the urgency for coastal nations to develop adaptive strategies amid uncertain future dynamics.





STUDENT ADMISSIONS OPEN FOR 6 SPECIALIZATIONS AT BSU'S FACULTY OF BIOLOGY

Faculty of Biology is a premier center for biological education and research, structured into six departments—Botany & Plant Physiology; Biophysics & Biochemistry; Molecular Biology & Biotechnology; Zoology & Physiology; Genetics; and Biomedical Materials—and supported by 13 modern teaching laboratories. From their second year onward, undergraduate students engage in scientific research within these departments, and both undergraduate and graduate students can also conduct studies at the university's Research, Development, and Innovation Center, which houses specialized labs in biomolecular engineering, microbiology, and virology. The faculty offers six undergraduate specializations—Biology, Biology Education, Aquatic Bioresources & Aquaculture, Biotechnology, Plant Protection, and Food Engineering—preparing graduates for careers across research institutes, industrial and environmental laboratories, educational institutions, conservation organizations, and food safety and production facilities.







WITH THE CO-ORGANIZATION OF BAKU STATE UNIVERSITY (BSU), THE II INTERNATIONAL CONFERENCE ON "CONSERVATION OF EURASIAN BIODIVERSITY" WAS HELD IN IZMIR

A collaborative event featuring Ege University (Turkey), Baku State University (Azerbaijan), Andijan State University (Uzbekistan), and Osh State University (Kyrgyzstan) convened the 2nd International Conference on **Conservation of Eurasian Biodiversity** in Izmir. The conference spotlighted critical topics including biodiversity conservation, photosynthetic organisms, fungi, bacteria, and aquatic ecosystem monitoring. Across four countries, 110 presentations were delivered, covering issues such as genetic biodiversity, virus resistance in plants, protection of invertebrates, anthropogenic effects, plant responses to climate change, and strategies for safeguarding rare species.



INTERACTIVE LESSON AT THE NATURAL HISTORY MUSEUM FOR BDU STUDENTS

Fourth-year students from the Faculty of Ecology and Soil Science at Baku State University attended the “Biodiversity Conservation” lectures and practical sessions at the Hasan bey Zardabi Natural History Museum, where interactive teaching methods were used to visually highlight biodiversity loss. Students explored Azerbaijan's paleozoological and paleobotanical heritage first-hand, viewing fossilized remains of species such as toothed and toothless whales, rhinos, leopards, cavemen mammals like cave bears, deer, and ancient plant remains from Pirakashkul and Binagadi regions—dating from the Tertiary (up to 30 million years ago) to the Quaternary (~180,000 years ago), including Upper Sarmatian deposits. They were also introduced to endangered species featured in Azerbaijan’s Third Edition of the Red Book, which documents 241 fauna species—152 vertebrates and 89 invertebrates.







http://sdg.bsu.edu.az/

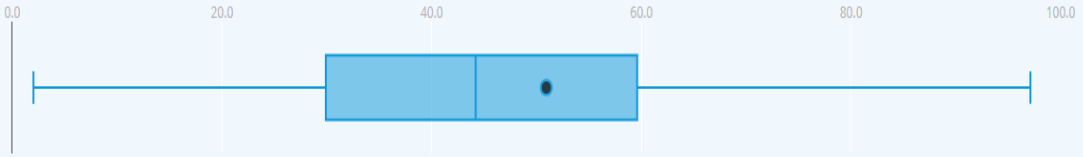
14 LIFE BELOW WATER

Ranking Results

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**

15.3% OF THIS SDG



SCORE
59.4 **Supporting aquatic ecosystems through action**

19.4% OF THIS SDG



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14 LIFE BELOW WATER

SCORE
68.0 **Water sensitive waste disposal**

19.3% OF THIS SDG



SCORE
53.3 **Maintaining a local ecosystem**

19% OF THIS SDG



THE IMPACT RANKINGS

OVERALL RANK

401–600 out of **2318** institutions

14 LIFE BELOW WATER

SCORE **50.9** RANK **201–300** out of **711** institutions

RANKED 2025

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Baku State University

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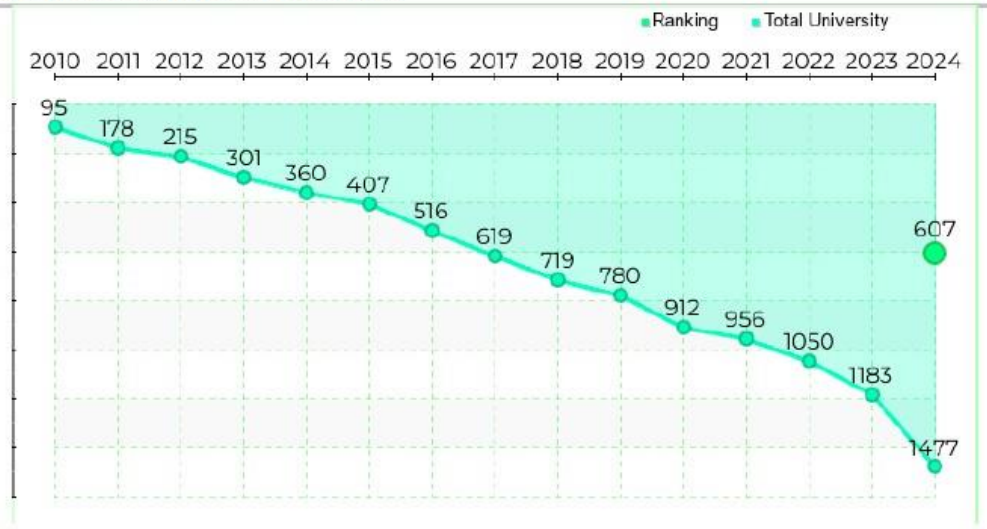


Figure 3.1 World Rankings History Diagram

4. RANKING IN AZERBAIJAN



http://sdg.bsu.edu.az/

14 LIFE BELOW WATER

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14 LIFE BELOW WATER

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SDG contributions

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Goal 9: Industry, innovation and infrastructure	97 documents		

CONCLUSION

- 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 club of Sustainable Harmony of Nature was created by the faculty. Students are trained and the aim is to raise awareness to protect aquatic and terrestrial ecosystems. The aim of the organization of the club “Sustainable Harmony of Nature” is ensuring students understand nature, analyze the processes occurring in living systems, and propagate the creation and protection of sustainable stability in nature.
- 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.
- Barbara Wojtasik, Professor of the Department of Genetics and Biosystematics of the Faculty of Biology of the University of Gdansk, Republic of Poland, was a guest of the faculty. Within the framework of the meeting, the issues of applying methods related to water biomonitoring were discussed, and a seminar was organized on this subject. It is planned to prepare a project together with the academic staff of the faculty.
- Reyhan Mirsultanova’ project titled "Decomposition of various pollutants in the water environment" won in the grant competition "Make the Idea Real 2022". The water cleaning robot developed within

the project is designed to collect various wastes in the water environment.

- 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.
- 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.

CONCLUSION

The provided information in the report suggests several key findings regarding Baku State University's initiatives for sustainable aquatic ecosystems and resources:

Educational Programs

- The university offers a range of educational programs, including courses on freshwater ecosystems and aquaculture, aiming to educate and raise awareness about sustainable water management and conservation practices.

Outreach and Awareness

- BSU conducts outreach programs to engage students in the practical application of their knowledge, particularly in combating overfishing and raising awareness about harmful fishing practices. This hands-on approach helps bridge the gap between theory and practice.
- BSU conducts outreach programs to engage students in the practical application of their knowledge, particularly in combating overfishing and raising awareness about harmful fishing practices. This hands-on approach helps bridge the gap between theory and practice.

Scientific Research

- The university actively engages in scientific research, including ecological studies of lakes and adjacent areas, which contribute to the understanding of the state of aquatic ecosystems and the development of sustainable water management practices

Collaboration with Industries

- BSU collaborates with industries to research and implement technologies and practices that minimize damage to aquatic ecosystems. This demonstrates the university's commitment to finding real-world solutions to pressing environmental issues.

Water Quality Standards

- The university has developed water quality standards and guidelines for water discharges, indicating a commitment to upholding water quality standards that protect ecosystems and human health.

Plastic Waste Reduction

- A proactive approach to reducing plastic waste on campus is evident through initiatives such as prohibiting plastic bottle use in canteens and the placement of recycling bins. This effort aligns with broader environmental sustainability goals.

Marine Pollution Policies

- BSU has policies in place to prevent and reduce marine pollution, particularly from land-based activities. This demonstrates the university's commitment to minimizing its environmental footprint.

Local Ecosystem Stewardship

- The creation of the "Sustainable Harmony of Nature" club and initiatives to minimize physical, chemical, and biological alterations of local ecosystems highlight BSU's efforts to engage the community and raise awareness about ecosystem protection.

Community Collaboration

- Collaborative agreements with organizations such as "Azersu" Open Joint Stock Company and the Ministry of Ecology and Natural Resources underscore BSU's commitment to working with the local community to address water management and conservation challenges.

Watershed Management Strategy

- The university has implemented a watershed management strategy, with research projects focusing on the Caspian sturgeon species. This highlights the commitment to protecting and maintaining the diversity of aquatic species in the region.

These key findings reflect the university's multifaceted approach to promoting the conservation and sustainable use of aquatic ecosystems, encompassing education, research, community engagement, and practical measures to address environmental challenges in line with Sustainable Development Goal 14.

Future Goals

To further enhance its efforts in promoting the conservation and sustainable use of aquatic ecosystems and resources, Baku State University (BSU) can consider the following future steps:



Baku State University

2024 REPORT ON



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

BOOK EXHIBITION CALLED "YEAR OF SOLIDARITY FOR GREEN WORLD" AT BSU



A book exhibition called "The Year of Solidarity for the Green World" was organized at the Scientific Library of BSU. More than 100 textbooks, atlases, encyclopedic dictionaries, conference materials, and other publications related to the nature of Azerbaijan and various fields of ecology were displayed at the exhibition. Among the exhibited works were books authored and co-authored by well-known BSU scientists, such as "Ecology and Environmental Protection," "Human Ecology," "Forest Ecology," "Encyclopedic Ecological Dictionary," "Ecology, Environment and Man," and "Ecological Geology." The exhibition also included the books "General Ecology" and "Priority Directions of Environmental Policy and Green Economy in the Context of Sustainable Development."





The micromorphology of different types of plants is studied at BSU

The scientific article "Micrometer insights into Nepeta genus: Pollen micromorphology unveiled" co-authored by Afat Mammadova, Dean of the Faculty of Biology of BSU, has been submitted to the "Scopus" and "Web of Science" databases. was published in the journal Micron (IF: 2.3).



An event dedicated to the World Environmental Education Day was held at BSU

It was emphasized at the event that protecting the environment requires a global change in the attitude towards nature, moving from a consumer society to one that protects nature. This transition necessitates establishing international control over the world's natural resources, their fair distribution among nations, drafting an "International Ecological Code," and expanding mass



environmental education to foster ecological culture. The importance of environmental education in directing public attention to environmental issues, solving these problems, and preventing potential future complications was also highlighted. Confidence was expressed that students in the Faculty of Ecology and Soil Science will become a leading force in environmental protection and education for Azerbaijan and the world. It was noted that the modern environmental education movement gained international recognition at the 1972 United Nations "Human Environment" conference held in Stockholm, Sweden, where the Stockholm Agreement, consisting of 26 principles on environment and sustainable development, was signed—one of which is the principle that "Environmental education is important."









A memorandum of understanding was signed with the Biological Diversity Protection Service



A memorandum of understanding on cooperation was signed between the Biological Diversity Protection Service and Baku State University (BSU). At the signing ceremony, BSU Rector Elchin Babayev emphasized the great importance of hosting the 29th session of the UN Framework Convention on Climate Change (COP29) in Azerbaijan in 2024, calling it one of President Ilham Aliyev's major achievements. Declaring 2024 as the "Year of Solidarity for the Green World" in Azerbaijan will further accelerate the country's environmental efforts. The memorandum outlines joint scientific research, educational programs, internship opportunities, national and international events, and the involvement of students in environmental projects. Firuddin Aliyev, head of the Biological Diversity Protection Service, highlighted the suitability of national parks for scientific research and stressed the importance of actively involving students in the educational process.









BSU students will implement the project that increases the environmental literacy



The "Ekonəfəs" project, led by Baku State University Ecology and Soil Science faculty students Nijat Hasanov and Fidan Ganiyeva, won the networking meeting organized by the Youth Fund of the Republic of Azerbaijan and the "Supporting Youth Education" Public Union. At the meeting, young people presented their proposed projects to experts as a team within the framework of the "Year of Solidarity for the Green World." The "Ekonəfəs" team was awarded first place among eight competing teams and received a prize of 3000 manats.







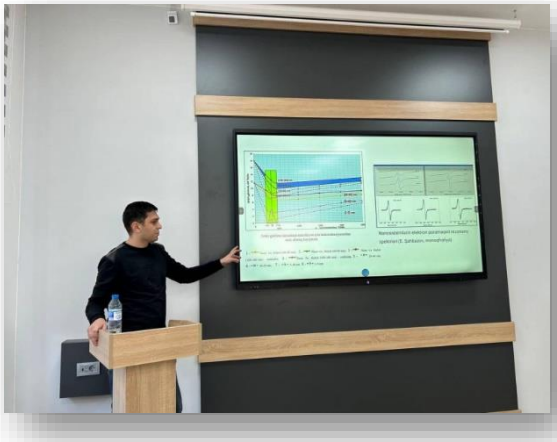
An event on "Green Chemistry" was held at BSU

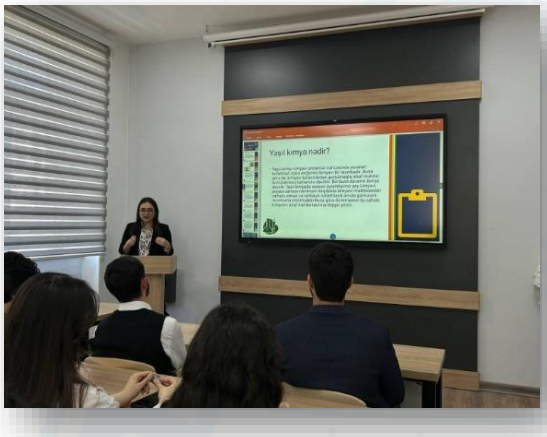


A "Green Chemistry" event dedicated to the "Year of Solidarity for a Green World" was held at the Faculty of Chemistry of Baku State University, jointly organized by the "Molecular Minds" group of the "BSU Volunteers" organization and the "Environmental Care" club of Baku Higher Oil School. Taleh Gahramanov, deputy dean for social issues at the faculty, highlighted that 2024 was declared the "Year of Solidarity for a Green World" by the President of Azerbaijan and that one of the five national socio-economic development priorities until 2030 is the "Country of clean environment and green growth." The event included presentations on the concept of green chemistry, its main principles, its relationship to environmental chemistry, anthropogenic effects, environmental problems, and chemical solutions. Discussions also covered the declaration of Karabakh and Eastern Zangezur, the "green energy zone" in the Nakhchivan Autonomous Republic, environmental protection during large-scale restoration in liberated areas, and the restoration of forests damaged by enemy vandalism.









Excursion to Baku Zoological Park

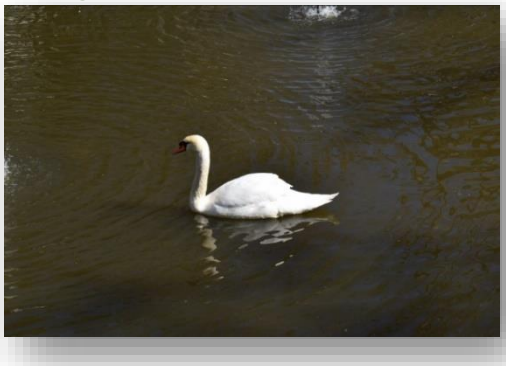


On March 3 – World Wildlife Day, an excursion to the Baku Zoological Park was organized on the initiative of the members of the Faculty of Ecology and Soil Science of the Baku State University "BSU Volunteers" organization. During the excursion, students were informed about the protection and reintroduction programs of endangered species listed in Azerbaijan's "Red Book" and were introduced to other unique examples of fauna. It should be noted that the Baku Zoological Park, operating since 1928, underwent major reconstruction initiated by the "International Dialogue for the Protection of the Environment" Public Association (IDEA) in 2017 and reopened in 2021. After reconstruction, the park's area increased from 2.25 to 4.25 hectares. Currently, the zoo houses 125 plant and animal species, 22 of which are included in the "Red Book," while the aquaterrarium contains 62 species. The park ensures the





protection of the living gene pool of many rare and endangered animals, which, after breeding, are released back into the wild.









Students of Faculty of Ecology and Soil Sciences participated on the field trip

Faculty and students of the Faculty of Ecology and Soil Science of BSU participated in the release of gazelles into the wild in the Acinohur plain, organized by the Ministry of Ecology and Natural Resources. As part of the initiative, 8 gazelles were released into the territory of the Gakh State Nature Reserve in the Acinohur plain. Aimed at supporting gazelle conservation, restoring their historical habitats, and promoting reintroduction and population development, this step will significantly contribute to the region's biodiversity. It was noted that gazelles, once extinct in this area since the 1950s, have been reintroduced over the past 12 years, with their population now reaching 345. In the future, measures will



include the creation of 3 artificial water sources, sowing of grasses and other fodder plants in designated areas, and strengthened protection efforts.

Tree planting action at Guba Educational-Experience and Recreation Center



As part of the "Year of Solidarity for the Green World," a tree-planting action was held at the Guba Training and Recreation Center of Baku State University (BSU). The event was attended by university management and students. During the campaign, which supports efforts to combat climate change and protect the environment, around 100 trees were planted on the center's grounds. The main goal of the action is to contribute to environmental protection, restore ecological balance, strengthen environmental education, and support nature.







Causes of Climate Change Discussed at BSU



A seminar on “Causes of Climate Change” was held at the Faculty of Biology of Baku State University (BSU), organized by the “Sustainable Harmony of Nature” club. The event was attended by club members and faculty staff. The seminar focused on the general causes of climate change and its impact on Azerbaijan’s biodiversity and rare species. It was highlighted that, like many countries around the world, Azerbaijan also faces environmental challenges. Global climate change has led to a rise in Earth’s temperature and a decrease in atmospheric precipitation, which is evident in the country through the decline of water levels in rivers and reservoirs. Key objectives for improving the ecological situation include preventing water pollution, combating soil degradation, preserving biodiversity, increasing green spaces, protecting air quality, cleaning oil- and waste-contaminated soils, and improving the management of industrial, household, and hazardous waste. The declaration of 2024 as the “Year of Solidarity for a Green World” and Azerbaijan’s hosting of COP29 were emphasized as major steps toward addressing these issues.









BSU hosts scientific seminar on the causes of the climate change open to the general public

The Biological Faculty of BSU hosted a scientific seminar titled “Causes of Climate Change.” The event covered the general causes of climate change and research findings on its impact on Azerbaijan’s biodiversity. Lecturer Sevinj Mammadova and students from the faculty presented reports on topics such as the greenhouse effect, perennial glaciers, the consequences of human activities, Azerbaijan’s green commitments, and the goals of the Conference of the Parties to the United Nations Framework Convention on Climate Change.



The forestation event and training were held



With the strengthening of the Faculty of Biology of BSU and in cooperation with the Forestry Development Service under the Ministry of Ecology and Natural Resources, afforestation events titled "Let's Block Carbon" and "Measuring the Carbon Storage Potential of Trees," dedicated to the "Year of Solidarity for the Green World," are being conducted. These events, held in the forest fund area of the Shabran region, involve students majoring in Plant Protection and Biology from the Faculty of Biology. Vahid Farfa, head of the Forestry Development Service department, and Khagani Mammadova, organizer of Regional Forestry Center No. 4, provided information on the rules for planting special plants, energy supply using the terrace method, and its safety. It was noted that using plants not adapted to drought in reforestation causes significant damage. Students received detailed explanations about calculating tree

volume, biomass, and carbon, as well as the concept of carbon and the carbon capture mechanism of trees.





A flower-planting action at BSU



A flower-planting action dedicated to the "Year of Solidarity for the Green World" was organized by the Student Trade Union Committee of BSU. Members of the Student Union Committee, the Student Youth Organization, BSU volunteers, and students from various faculties participated in the event. About 500 flowers were planted during the campaign. The purpose of the campaign is to support environmental protection, strengthen environmental education, and contribute to nature.










BSU hosts scientific seminar titled Increasing the number of plant species resilient to environmental stress in Azerbaijan

The Biological Faculty of BSU hosted a scientific seminar titled “Increasing the Number of Plant Species Resilient to Environmental Stress in Azerbaijan.” Associate Professor of Botany and Plant Physiology, Doctor of Biological Sciences Zulfiya Mammadova, presented on this topic and highlighted that 2024 has been declared the "Year of Solidarity for the Sake of a Green World" in Azerbaijan. According to her, hosting the 29th Session of the Conference of the Parties to the UN Framework Convention on Climate Change (COP29) in November and prioritizing "Country of Clean Environment and Green Growth" as one of



Azerbaijan's five socio-economic development goals until 2030 places significant responsibilities on biologists. During the seminar, detailed information was provided about plant species resilient to environmental stresses to support greening efforts in the country.





An ecological seminar and cleaning campaign were conducted through the collaborative efforts of BDU and RİİB

A collaborative effort between BSU and the "Regional Development" Public Union culminated in an educational seminar and cleanup campaign in honor of April 22 – International Earth Day. During the event, BSU teachers provided detailed information to students at secondary schools No. 119 and 256 in Baku about climate change, its effects on ecosystems, the environment, human health, and the responsibilities of students in environmental protection. Ramin Samadov, Head of the Humanitarian Affairs and Youth Policy Department at BSU, and Rashad Jabarov, Chairman of the Trade Union Committee, highlighted the significance of the occasion and



elaborated on governmental strategies for environmental preservation in Azerbaijan. Subsequently, BSU lecturers Kismet Khanbabayev discussed the geographical distribution and importance of renewable energy sources, Mahluga Yusifova addressed climate change and its impact on Azerbaijan, Giyas Bayramov examined the causes of water resource contamination, and Gunel Sariyeva spoke about global environmental challenges, answering students' questions. The event continued with active participation from volunteers of both institutions in a shoreline cleanup in the Turkan settlement. The event concluded with a lively flash mob organized by volunteers, featuring a poster bearing the inscription "Earth Day." The main aim of this initiative is to raise public awareness about the importance of the occasion, enhance environmental education especially among adolescents, and foster a sense of responsibility toward environmental stewardship and nature conservation.

A group of students of the biology faculty of BSU had an environmental action in Absheron National Park

A group of students from the Faculty of Biology at BSU held an environmental action under the slogan "We are ahead" in Absheron National Park. The event aimed to raise awareness about the "Year of Solidarity for the Green World" and contribute to environmental protection, with support from Absheron National Park and the Faculty of Biology. As part of the campaign, young biologists participated in a bicycle ride to promote a healthy lifestyle and reduce carbon emissions in the fight against climate change. They also visited Calligonum bakuense and Astragalus bakuensis plants in the park to



highlight species threatened by human activities and climate change, while emphasizing the importance of ecological tourism in fostering a caring attitude toward nature among students.

BSU Staff members took part in a tree-planting initiative

Faculty members from the Biology Department of Baku State University, together with representatives from the Ministry of Ecology and Natural Resources, the Yasamal district branch of the New Azerbaijan Party, and the Yasamal District Executive Authority, organized a tree-planting campaign in Mushfigabad settlement as part of the "Year of Solidarity for the Green World." Around 700 Eldar pines and olive trees, suitable for the soil and climate of the Absheron peninsula, were planted during the event. Participants included organizational staff, biology faculty teachers, and eco-volunteers. The initiative aimed to promote environmental protection, increase green spaces, and contribute to the fight against climate change.









Republic scientific conference at BSU: Global climate change and modern ecosystem of Azerbaijan



The Faculty of Ecology and Soil Science at BSU organized a Republican scientific conference titled "Global Climate Change and the Modern Ecosystem of Azerbaijan" in honor of the 101st anniversary of National Leader Heydar Aliyev's birth. The event began with the National Anthem and a minute of silence in memory of Heydar Aliyev and the martyrs who sacrificed their lives for Azerbaijan's territorial integrity. Dean Akif Agbabali delivered a keynote speech emphasizing Heydar Aliyev's foundational role in shaping modern Azerbaijan and his profound reforms for building a democratic and lawful state. Presentations during the conference highlighted Heydar Aliyev's environmental policies, the impact of climate change on soil, and the nation's nature conservation efforts. Notable contributions came from Sevinj Hajiyeva, Garib Mammadov, and Professor Shovgi Goychayli. At the plenary session, Mahluga Yusifova discussed the prospects for alternative energy



sources in Azerbaijan, while Sevinj Ahmadova from the National Hydrometeorology Service addressed the impacts of climate change on agriculture and adaptation strategies.








The student scientific society of BSU launches seminar in commemoration of the year of solidarity for a Green World





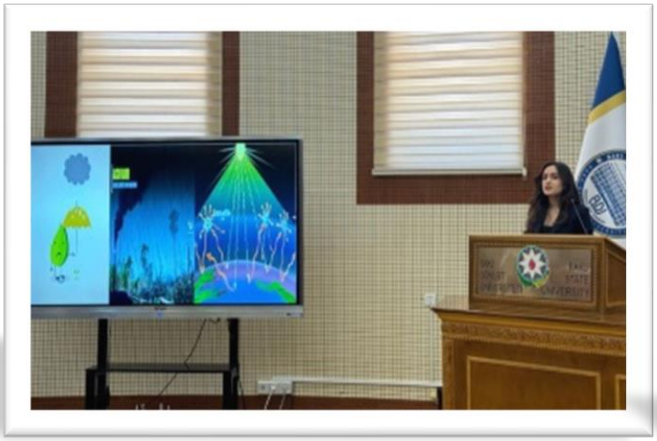
The Student Scientific Society of BSU had launched a seminar series within the framework of the "Year of Solidarity for the Green World." The first seminar had involved faculties such as Chemistry, Physics, Geography, History, Ecology, and Soil Science. Mais Suleymanov, director of the Center for Organization of Scientific Activities and Innovations, had stated that the initiative aligned with one of Azerbaijan's socio-economic development priorities for 2030: becoming a "Country of Clean Environment and Green Growth." During the event, students had presented on topics such as urban planning, innovative technologies, anthropogenesis, green fuels, and renewable energy. They had addressed both global best practices and planned environmental initiatives in Azerbaijan.













Collaborative sturgeon genome analysis conducted with BSU

In collaboration with LU-MUN HOLDING, Izmir Institute of High Technology, Bayramlı Group, and Turkey's Letgen Biotechnology, Baku State University had conducted research to analyze the genetic features of sturgeon in the Azerbaijani sector of the Caspian Sea and confirm their endemic status. Genome analysis, including microsatellite testing of 125 individuals across 6 loci and 90 alleles, had scientifically verified their Azerbaijani origin. This method ensured accurate identification of pure and hybrid species, supporting the authenticity of caviar. Sample collection and geographic mapping of sturgeon populations had continued as part of the project.






BSU Student Scientific Society"s seminar series persists during the Year of Solidarity for a Green World

The Student Scientific Society of BSU had continued its seminar series as part of the "Year of Solidarity for the Green World." In the latest session, students from the Faculties of Biology, History, Geology, and Journalism delivered presentations. Nurgul Alizadeh from Biology addressed the effects of drought and salinity due to rising CO_2 levels and discussed Armenia’s environmental terrorism in Karabakh, alongside Azerbaijan’s green policies in liberated areas. History students Farid Jamalzadeh and Nurali Mammadov examined the impact of wars on ecosystems. Journalism graduate Gunel Abbasova spoke

about green energy zones and smart city initiatives, while Geology student Khayal Huseynov discussed the environmental impact of mineral exploration in Azerbaijan.



Joint event by BSU and Biological Diversity Protection Service at Shirvan National Park

BSU and the Biological Diversity Protection Service under the Ministry of Ecology and Natural Resources had organized an event on May 22 at Shirvan National Park to celebrate International Biodiversity Day. Officials from both the Ministry and the University, students from the Faculty of Biology, and community members from Salyan participated. Arzu Babayeva emphasized the importance of the day and highlighted ETSN's projects for protecting endangered species and natural areas. Seymur Karimov, director of Shirvan National Park, informed students about efforts to restore and reintroduce species listed in the "Red Book." The event concluded with students learning about the diverse plant and animal species protected in the park.





BSU staff participate in Neftchala event commemorating International Biodiversity Day



Employees of BSU participated on May 22 at the Kur-Experimental Sturgeon Farming Plant of "Azerbaijan Fish Farm" LLC, a subsidiary of "LU-MUN HOLDING" in Neftchala, for International Biodiversity Day. The event was attended by Mirhasan Seyidov, Head of Neftchala District Executive Authority, representatives from the Ministry of Agriculture, the UN FAO, and diplomatic corps. BSU was represented by rector advisers Khumar



Mammadbagirova, Shabnam Safarova, and Protocol Director Jahan Ganizada. Afterward, 50,000 sturgeon fish bred at the hatchery were released into the Caspian Sea to protect the environment and restore marine biodiversity.



Interactive lesson for BSU students at Azerbaijan Geology Museum of EMSN

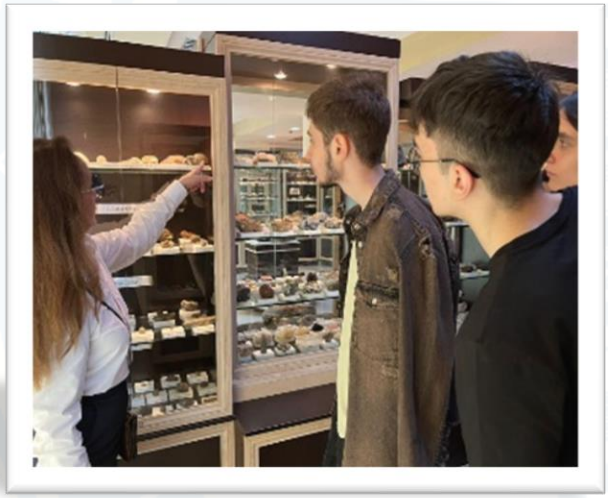
	Students from the Faculty of Ecology and Soil Science at Baku State University participated in an interactive lesson at the Azerbaijan Geology Museum, part of the Ministry of Ecology and Natural Resources, as part of the "Year of Solidarity for the Green World." Associate Professor Lala Bayramova provided detailed information on Azerbaijan's complex geology, mineral resource discovery, extraction, industrial use, economic potential, and natural balance conservation. The session concluded with museum staff answering students' questions.

http://sdg.bsu.edu.az/













BSU hosts scientific seminar on Impact of climate changes on Earth's vegetation cover

Asim Safarov, Associate Professor at Baku State University's Department of Botany and Plant Physiology, held a scientific seminar titled "The Impact of Climate Changes on the Vegetation of the Earth." He discussed how complex geological and chemical processes within the Earth, influenced by solar activity, affect the biosphere, emphasizing the role of geomorphology on vegetation. Safarov explained that climate factors alter plant growth phases, with changes in atmospheric gas balance and rising temperatures causing shifts in vegetation rhythms.



BSU biology faculty students visit Azerkosmos



Students from the Faculty of Biology at BSU visited the Azerbaijani Space Agency "Azerkosmos" Satellite Management Center as part of the "Year of Green World Solidarity" seminar. Presentations were given by Nigar Kazimova, chief specialist in PR and communication, and Joshgun Garayev, chief specialist in antenna and radio frequency, outlining the agency's operations. Students toured the satellite operations room and antenna site. Saleh Nabiyev, leading specialist in soil science at "Azerkosmos" GIS Center, presented on Azerbaijani satellites' data capabilities for ecosystem and biodiversity management. Finally, Biology Faculty's deputy dean Yusif Abiyev introduced students to semi-desert biodiversity and rare plant species.



BSU students visit Shahdag National Park

Students from the Faculty of Biology at BSU visited the Shamakhi section of Shahdag National Park during the "Year of Solidarity for the Green World," guided by Konul Hajiyeva and Sama Ahmadli. Farhad Jalilov, deputy director of the Shamakhi branch, and researcher Orkhan Ibrahimov provided extensive information on the park's rare and endangered plant and animal species. Students explored diverse tree species in the Karachohra forest and visited the Shamakhi "Safari Park," where they observed Altai deer, bison, alpacas, llamas, spotted deer, and more.

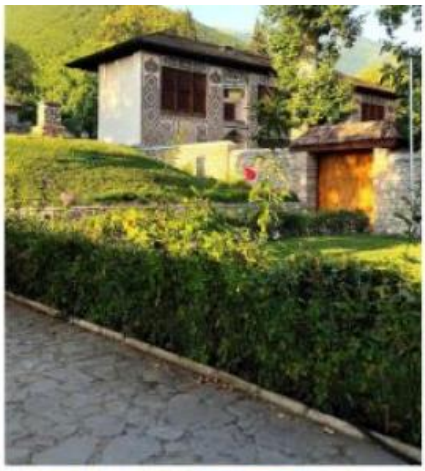


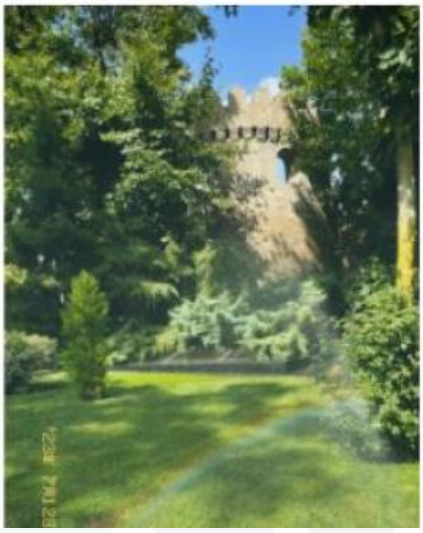




BSU hosts photo competition dedicated to "The year of solidarity for a Green World"

As part of the “Solidarity for the Green World” year, the Faculty of Social Sciences and Psychology at BSU organized a photo contest titled “Our Mother Nature.” Deputy Dean Nazakat Karimova emphasized the contest’s aim to raise students’ environmental awareness and highlighted Azerbaijan’s hosting of COP29 as a national responsibility. A total of 150 nature photos were submitted, with 91 advancing to the evaluation stage and six selected as winners. Jury head and photojournalism instructor Mirakif Babayev provided guidance on photography techniques.





Training for BSU students at Altiaghac National Park

On June 5, in honor of Environmental Protection Day, an interactive training session was held at Altiaghac National Park, organized by Baku State University's Faculty of Biology and the Biological Diversity Protection Service. Park director Dargah Rustamov spoke about conservation efforts, the Wildlife Restoration Center, and animals under rehabilitation. Associate professor Sevinj Humbatova trained students on bird species and observation methods, while deputy dean Yusif Abiyev discussed the park's flora, herbarium preparation, forest layers, carbon assessments, and the use of GIS technologies.







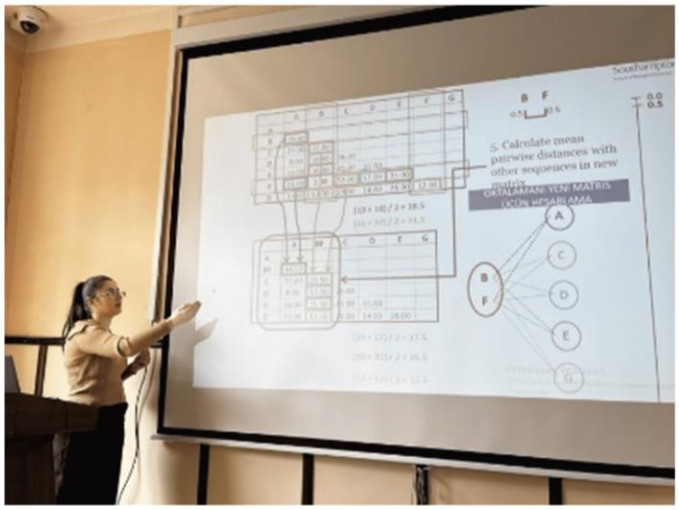


Training at BSU: Phylogenetic analysis: From theory to practice

The Student Scientific Society of BSU organized a training session titled "Phylogenetic Analysis: From Theory to Practice," led by Ulkar Huseynova-Mustafayeva from the International Computer Genomics Laboratory. She explained that phylogenetics studies evolutionary relationships among organisms and guided students in constructing and modifying phylogenetic trees using software, enhancing their understanding of evolutionary history.







BSU's students engage in the field experience in Lankaran and Guba



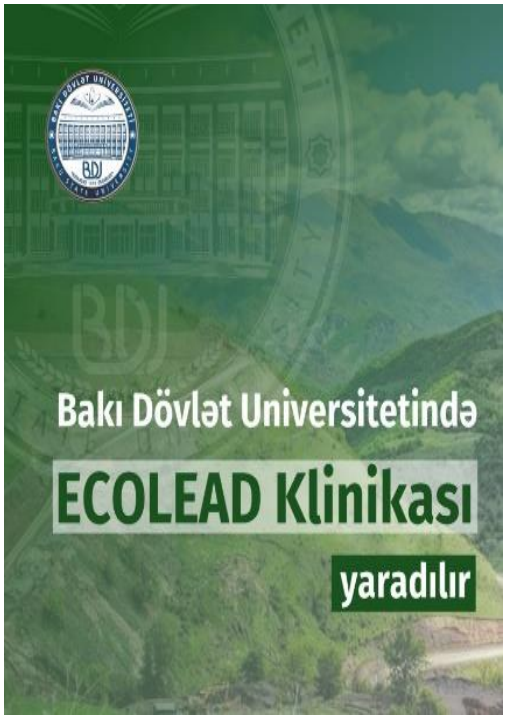




Fourth-year students from BSU Faculty of Biology, majoring in Biology, Water Bioresources, and Aquaculture, took part in a field study in the Guba and Lankaran regions. Biology students studied animal species, ecosystems, and Red Book plants in BSU's Guba center and Hirkan National Park, also practicing herbarium preparation. Aquaculture students observed freshwater otters in Kyzylagac National Park, studied fish species in the Caspian Sea and Guba rivers, and conducted laboratory analyses of water and algae samples.



Establishment of the ECOLEAD Clinic at BSU



At the final Scientific Council meeting of Baku State University for the 2023/2024 academic year, the need to address environmental violations was highlighted, and the establishment of the ECOLEAD Clinic was approved. On June 24, 2024, at a scientific-practical conference in Khankendi, BSU, the Prosecutor General's Office, and the Ministry of Ecology signed an agreement on the ECOLEAD project. The platform, comprising "ECOLAB," "Ecoclinic," and "Cerima Park – Nature's Revenge," aims to address environmental challenges, particularly in the Karabakh and Eastern Zangazur regions, by enabling rapid response and effective coordination.

BSU Volunteers Join Go Camp Picnic Project

Members of the "BSU Volunteers" organization from BSU took part in the "Go Camp" picnic project held in the Altyaghach National Park area of Khizi, supported by the Ministry of Ecology and the Youth Fund, and organized by the Union of Azerbaijan Voluntary Organizations. The project aimed to strengthen unity and networking among volunteers through hiking and interactive games.











BSU Rector Elchin Babayev: Collaboration at national and international levels is essential for solving environmental problems



At a scientific-practical conference in Sheki organized by the Prosecutor General's Office, BSU Rector Elchin Babayev emphasized the university's commitment to environmental protection through scientific research and education. He highlighted BSU's Ecology and Soil Science Faculty, its Environmental Chemistry

Lab, and the newly established ECOLEAD Clinic, which will support the detection and resolution of environmental violations. Babayev also praised student-led projects like “Irrigo” and “E-tarım irrigation,” finalists in TEKNOFEST-2024. Stressing the urgency of addressing environmental crimes, especially those caused by Armenia's aggression, he called for unified efforts involving law enforcement, scientists, NGOs, and international partners. The ECOLEAD platform will serve as a key initiative to integrate legal, scientific, and educational solutions to environmental challenges.









With the co-organization of Baku State University (BSU), the II International Conference on "Conservation of Eurasian Biodiversity" was held in Izmir

The II International Conference on “Conservation of Eurasian Biodiversity” was held in Izmir, Turkey, jointly organized by Ege University, Baku State University (BSU), Andijan State University of Uzbekistan, and Osh State University of Kyrgyzstan. Featuring 110 presentations from four countries, the event addressed key biodiversity issues. BSU’s Professor Afet Mammadova presented on “Bioindication and Management of the Environment Using Plants.” Alongside BSU, 23 Azerbaijani researchers participated. Topics included biodiversity conservation, photosynthetic organisms, fungi, aquatic ecosystems, genetic diversity, climate change effects, and strategies for protecting rare species.



Flower planting campaign at BSU







A flower planting campaign dedicated to Knowledge Day was organized by the Student Trade Union Committee (STUC) of Baku State University (BSU), with participation from STUC, "BSU Volunteers," the Student Youth Organization, and students from various faculties. The campaign aimed to promote environmental protection, ecological education, and contribute to nature.



BSU students participated in a tree-planting campaign within the framework of the "ECOLEAD" project

As part of the "Year of Solidarity for a Green World," a tree-planting campaign was held under the "ECOLEAD" project, jointly organized by Baku State University (BSU), the Prosecutor General's Office, and the Ministry of Ecology and Natural Resources. BSU students and officials planted climate-appropriate trees in Baku's Yasamal district. The ECOLEAD platform aims to prevent environmental violations, raise awareness, and restore greenery damaged by environmental crimes. The project was initiated through a memorandum signed in Khankendi, with Nakhchivan State University later joining the initiative.





Interactive lesson at the Natural History Museum for BDU students



The lecture and practical classes of the "Biodiversity Conservation" course for IV-year students of the Faculty of Ecology and Soil Science at Baku State University were conducted using interactive teaching methods at the Hasan bey Zardabi Natural History Museum. The main goal of the lesson was to visually demonstrate the consequences of biodiversity loss to the students. They became closely acquainted with Azerbaijan's paleozoological and paleobotanical monuments, receiving detailed information about fossil and skeletal remains of species such as the toothed whale, the toothless Sarmat whale, rhinoceros, leopard, Binagadi gazelle, Binagadi wolf, Binagadi brown bear, Binagadi deer, Vinogradov's theropod, cave bear, primitive ox, plant remains, and others discovered in the Pirakäshkül and Binagadi regions. These fauna samples, identified through paleozoological research, belong to the Tertiary period (30 million years ago) in Pirakäshkül, the Quaternary period (around 180,000 years ago) in Binagadi, and the Upper Sarmatian Eldar fauna (9–12 million years ago) in the "Hands Cave" area. Students were also informed about rare and endangered species listed in the third edition of Azerbaijan's "Red Book," which includes 241 animal species: 3 mollusks, 84 arthropods, 11 fish, 6 amphibians and reptiles, 18 reptiles, 78 birds, and 39 mammals.





Scientific seminar at BSU: “The biogeography and biodiversity of Azerbaijan"s flora in the context of Climate Change"



A scientific seminar titled “The Biogeography and Biodiversity of Azerbaijan's Flora in the Context of Climate Change” was held at the Faculty of Ecology and Soil Science at Baku State University, featuring a presentation by Elman Yusifov, head of the Laboratory of Higher Plant Ecology and Geography at the Institute of Botany. Elman Yusifov spoke about the historical-geological trends of climate change and the development of flora diversity worldwide, including in the Caucasus geobotanical region. He presented insights into the distribution of Azerbaijan’s vegetation in accordance with the country’s relief features, emphasizing that plant endemism increases with elevation. He also highlighted that anthropogenic impacts pose threats to many ecosystems and species. Furthermore, Yusifov informed participants about current biodiversity conservation efforts in the country, recent innovations in botany, the role of vegetation in climate formation, and the negative effects of global climate change on the richness of Azerbaijan's flora.







Event on "COP29 and global climate change" at BSU



An event titled “COP29 and Global Climate Change” was held at the Faculty of Social Sciences and Psychology of Baku State University. Dean of the Faculty, Associate Professor Rovshan Javadov, spoke about the international significance of President Ilham Aliyev’s decree declaring 2024 as the “Year of Solidarity for a Green World” and the hosting of the 29th session of the Conference of the Parties (COP29) to the UN Framework Convention on Climate Change in Azerbaijan. He emphasized that hosting such a major event reflects Azerbaijan’s leading role in international environmental policy and the global fight against climate change. Deputy Dean for Social Affairs Nazakat Karimova and Head of the Department of Social Work Uzeir Shafiyev addressed the global environmental challenges facing the modern world, the causes of climate change, and the measures being taken in Azerbaijan to address these issues. They noted that nearly 20% of Azerbaijan’s territory has suffered from ecocide due to Armenia’s occupation, and currently, significant projects and investments are underway to restore ecological balance in the liberated areas, promote a green economy, and transition to green energy.





Prosecutor Generals Office, Ministry of Ecology, and BSU Ecolead Project Continues Successfully

In connection with the declaration of the "Year of Solidarity for a Green World," the joint ECOLEAD (Enhancing the Environment: Awareness and Law Enforcement Measures) project, implemented by the Prosecutor General's Office, the Ministry of Ecology and Natural Resources (MENR), and Baku State University (BSU), is progressing successfully. As part of the project, informative posters have been installed on various streets, avenues, and parks to raise public awareness of environmental issues. Last month, an afforestation campaign was held in the Yasamal district with the participation of officials and employees from the mentioned institutions, along with BSU students. The ECOLEAD project aims to restore green areas damaged by environmental crimes across the country. The project was initiated with a memorandum of understanding signed during an event held in the city of Khankendi between the Prosecutor General's Office, MENR, and BSU, and was later joined by Nakhchivan State University.





Game Dedicated to the "Year of Solidarity for a Green World" Held At Baku State University

An intellectual game titled “What? Where? When?” dedicated to the “Year of Solidarity for a Green World” was held at the Faculty of Chemistry of Baku State University (BSU), organized by the BSU Student Trade Union Committee (STUC). The event began with the performance of the National Anthem of the Republic of Azerbaijan, followed by a moment of silence in memory of National Leader Heydar Aliyev and the martyrs who sacrificed their lives for the territorial integrity of Azerbaijan. Taleh Qahramanov, Deputy Dean for Social Issues and Student Affairs at the Faculty of Chemistry, stated that hosting the 29th session of the Conference of the Parties (COP29) to the UN Framework Convention on Climate Change in our country is a significant contribution to environmental protection and climate change prevention at both regional and global levels. He emphasized that such competitions greatly contribute to developing ecological awareness and promoting environmental knowledge among students. A total of 11 teams competed in the three-round intellectual game, and according to the results, the “Julius Caesar” team was declared the winner.



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Round Table on "Who is the Ensurer of Ecological and Socio-Economic Sustainability at COP29" at BSU

A round table discussion on “Who is the Ensurer of Ecological and Socio-Economic Sustainability at COP29?” was held at Baku State University (BSU), jointly organized by BSU and the Institute of Education Development (ARTI), with the support of BSU’s Student Youth Organization, within the framework of the 29th session of the Conference of the Parties (COP29) to the UN Framework Convention on Climate Change.

The event's moderator, Aynur Pashayeva, head of a department at ARTI, emphasized the importance of raising awareness about climate change and COP29 in educational institutions, noting the relevance of the topic and its potential to be thought-provoking for students. She provided information on Azerbaijan’s environmental protection efforts and measures to prevent problems arising from climate change.

During the round table, Associate Professor Goshgar Mammadov from BSU delivered a presentation on “Green Economy and Sustainable Development of Agriculture,” underlining the central role of agriculture in the green economy and addressing the efficient use of natural resources, minimizing losses, and enhancing productivity by reducing environmental impact. Associate Professor Azer Jafarov, in his presentation “Climate Change and Azerbaijan,” explained that climate change is not a new phenomenon and that ecosystems have historically adapted to gradual climatic shifts.

Associate Professor Ilgar Khalilov from the Azerbaijan State University of Economics presented on “COP29 as a Provider of Economic Sustainability,” while his colleague Jamila Hasanova discussed “COP29 and the Promotion of Social Justice: Digital Governance Technologies for Social Equality.” Mahabbat Pashayeva, a leading expert at ARTI and a PhD in biology, shared her insights on “The Importance of COP29 for Azerbaijan in the Year of Solidarity for a Green World.”

A scientific seminar dedicated to global climate change has been held at BSU



As part of the "Year of Solidarity for a Green World," a scientific seminar dedicated to global climate change was held at Baku State University (BSU), organized by the Student Scientific Society (SSC). The seminar brought together students from the faculties of Ecology and Soil Science, Physics, Chemistry, Biology, Journalism, Geography, Philology, Mechanics and Mathematics, Social Sciences and Psychology, Information and Document Management, International Relations and Economics, History, and Oriental Studies. Mais Suleymanov, Director of the Center for Organizing Scientific Activities and Innovations at BSU, emphasized that hosting the 29th session of the Conference of the Parties (COP29) to the UN Framework Convention on Climate Change in Baku reflects the international community's deep trust and respect for Azerbaijan, affirming the country's role as a responsible and reliable partner in addressing global challenges. Elchin Sardarov, COP29 coordination coordinator for WWF Azerbaijan, gave a presentation on "Global Climate Change," discussing its causes and consequences, the sustainable development goals, clean environments, and the importance of ecological journalism. WWF climate change expert Elana Alizade presented on "The Ecological Aspects of Climate Change and Adaptation," providing insights into the requirements of the UN Framework Convention on Climate Change and strategies for mitigation and adaptation. Parvana Khidirova, Deputy Chair of the Public Union "Center for Global Cooperation and Analytical Research," shared videos about projects addressing water issues in Azerbaijan's arid regions within the COP29 framework. At the end of the seminar, Gunel Hajaliyeva, Chair of the SSC at the Faculty of Ecology and Soil Science, highlighted the crucial role of youth in combating climate change and protecting the environment.

“Climate Week” at the Young Talents Lyceum

The “Climate Week” project was implemented at the “Young Talents” Lyceum under Baku State University (BSU) with the support of the Youth Foundation of the Republic of Azerbaijan, organized by the Public Union for Supporting Youth Enlightenment and the “BSU Volunteers” organization. The main goal of the project was to raise ecological awareness among students and to develop knowledge, skills, and behavioral habits related to environmental protection. Within the framework of “Climate Week,” discussions were held on topics such as “Climate Change and COP29,” “The Impact of Climate Change on Azerbaijan’s Biodiversity,” “Soil and Its Diversity,” and “Forests and the Environment.”



The director of Baki Zoo Park gave a practical lesson to BSU students

As part of the educational process at the Department of Bioecology, Faculty of Ecology and Soil Science at Baku State University (BSU), the director of Baku Zoo Park, Nazakat Isayeva, was invited to deliver lectures and practical classes for students majoring in "Ecology" on the subject "Conservation of Biodiversity" using innovative teaching methods at Baku Zoo Park. During the lecture held in the zoo's auditorium, students were informed about representatives of the reptile class and later had the opportunity to observe unique fauna specimens from Azerbaijan and other countries on the premises of the zoo. They also received detailed information about the protection of endangered species listed in Azerbaijan's "Red Book" and the reintroduction program. It is worth noting that Baku Zoo Park has been operational since 1928 and currently houses 125 animal species, 22 of which are included in the "Red Book." The park plays a key role in conserving the gene pool of many endangered species, which are bred and released back into nature.



BSU Students at the "Green Homeland, Green World" event-exhibition

Students from the Faculty of Ecology and Soil Science at Baku State University (BSU) participated in the "Green Homeland, Green World" event-exhibition, jointly organized by the Azerbaijan Independence Museum and the Azerbaijan Academy of Arts within the framework of the "Year of Solidarity for a Green World" and COP29. More than 40 artworks, including paintings, graphic prints, posters, and decorative tapestries, were displayed at the exhibition. These works artistically portrayed the Azerbaijani people's deep love for their homeland and the country's rich and diverse nature. During the cultural segment of the event, students from the Bulbul Music School performed live music.



New Unique Project – "Eco Space" at the University



In recent years, Baku State University (BSU) has expanded its scientific research in the field of environmental protection and combating climate change, implementing a number of ecological projects and awareness-raising activities. As a center of scientific innovation and education, the university set the goal of becoming an incubator and accelerator for student initiatives in the field of the "green economy." In 2024, BSU became a member of the Association for the Advancement of Sustainability in Higher Education (AASHE) and established the ECOLEAD Clinic. A student team from BSU won third place at the "TEKNOFEST-2024" festival with their "E-Agri Irrigation" project. Launched within the framework of COP29 and attended by a wide audience, the "Eco Space" project has become one of the university's most significant environmental initiatives. The facility includes an aquaponics system, bioreactors, solar panels, and digital weather and ecological monitoring devices. It hosts training sessions, ecological seminars, practical workshops, and project competitions for students and young researchers. The project aims to advance environmental education, strengthen scientific and



educational capacity, apply green technologies, and support the United Nations Sustainable Development Goals (SDGs). Implemented in collaboration with “Bayramli Group,” “LU-MUN Holding,” “Azecolab,” and the Ministry of Ecology and Natural Resources, the project plays an important role in shaping green thinking among youth.









The project "Green dialogue: Innovation and international cooperation platform" has started in collaboration with BSU



Within the framework of the COP29 international conference, the "Green Dialogue: Innovation and International Cooperation Platform" project was launched to address ecological problems and support sustainable development. The project was jointly organized by the State Support Agency for Non-Governmental Organizations of the Republic of Azerbaijan, Baku State University (BSU), the Public Union for the Progress of Karabakh, and the African Youth Development Foundation. As part of the project, a discussion panel was held on November 16 in the Green Zone of COP29. The panel was moderated by Shabnam Safarova, Advisor on Digitalization and IT to the Rector of BSU and Chairwoman of the Public Union for the Progress of Karabakh. Participants included Professor Tunji Asaolu, Vice President of the African School of Diplomacy and Head of the African Youth Development Foundation, Vonda Grobeller, Higher Education Quality Assurance Expert, Orkhan Shirinzade, CEO of E&O Global Inc. (USA), and Emil Qasimov, Researcher in Geology and Environmental Sciences at St. Petersburg Mining University. The panel addressed topics such as "The Importance of Sustainable Development," "Climate Education for Future Generations," "Assessment of Management Efficiency in Methane (CBM) Production and CO2 Capture," and "Green Logistics:

Overcoming Investment and Implementation Barriers." The main goal of the project is to strengthen public awareness and international cooperation in addressing environmental challenges like water scarcity, soil salinization, and deforestation. As part of the initiative, the "Green Dialogue Forum" was established to organize an annual forum bringing together representatives from government, the private sector, and academia.

Discussion panel of the "Green Dialogue: Innovation and International Cooperation Platform" project

As part of COP29, the next discussion panel of the "Green Dialogue: Innovation and International Cooperation Platform" project, aimed at solving environmental problems and supporting sustainable development, was jointly organized by the State Support Agency for Non-Governmental Organizations of the Republic of Azerbaijan, Baku State University (BSU), the Public Union for the Development of Karabakh, and the African Youth Development Fund.

The event, held in the Green Zone of COP29 and moderated by Sanan Agayev, a representative of the Public Union for the Development of Karabakh, featured Professor Tunji Asaolu, Vice President of the African School of Diplomacy and Head of the African Youth Development Fund, Asiman Ilyasov, Advisor to the Rector of BSU on Quality Assurance, and Liya Bayramova, Executive Director of GEM CRS. Professor Tunji Asaolu presented on "Building a Sustainable Future: Key Focus Areas," Liya Bayramova discussed "Climate Education and Awareness for Children," and Asiman Ilyasov highlighted the "Importance of Quality Assurance and Rankings for Sustainable Development Goals in Higher Education."

The main objective of the project is to strengthen social awareness and international cooperation in tackling ecological issues such as water scarcity, soil salinization, and forest resource depletion. Within this framework, the "Green Dialogue Forum" was established to organize an annual platform bringing together government representatives, private sector experts, and members of the academic community.





An “Ecological Cartography” textbook for universities has been published at BSU

Within the framework of the "Year of Solidarity for a Green World," a university-level textbook titled “Ecological Cartography” has been published at the initiative of the Department of Geodesy and Cartography at the Faculty of Geography of Baku State University (BSU). Co-authored by Associate Professor Afghan Talibov, head of the department, and lecturer Irina Verpatova, the textbook aims to enhance the quality of teaching the “Ecological Cartography” course at BSU and other higher education institutions and to provide students with course material in their language of instruction. Comprising five chapters and thirty topics, the book covers essential subjects such as the fundamentals of ecological cartography, methods of studying environmental conditions, the mathematical and geographical basis of ecological maps, and the use of remote sensing materials. It includes visuals, tables, test questions, practical assignments, and a glossary of over 300 terms related to ecological cartography. The scientific editor of the textbook is Professor Magsad Gojamanov, Dean of the Faculty of Geography, and the reviewers are Associate Professors Ramiz Ahlimanov and Shamil Azizov. It is worth noting that this is the first textbook on “Ecological Cartography” published in the Azerbaijani language with this content.

The "Irrigo – sustainable rural agriculture ecosystem," developed at BSUs Student Scientific and Technical Creativity Center, was presented at COP29

Baku State University's (BSU) "BSU Creativity Workz" team successfully participated in the "Green Tech Karabakh" project during the COP29 conference and presented their innovative agro-technical solution—the "Irrigo" smart irrigation system. "Irrigo" is a next-generation agricultural model based on smart technological solutions. Its primary goal is to minimize the use of fresh water for irrigation in agriculture by purifying water unsuitable for irrigation from organic pollutants, salts, and heavy metals, making it usable for crop irrigation. The system creates a self-sustaining ecosystem that ensures the internal circulation of water. In addition to saving water resources, it also optimizes material and time usage. The system's modern features, such as remote control and synchronization with weather forecasts, make it an invaluable solution in the field of agriculture. During the presentation, representatives from various countries had the opportunity to closely examine the efficiency of the "Irrigo" smart irrigation system, its cost-reduction potential, and its positive impact on ecosystem preservation. The innovative solutions presented by the system attracted considerable interest from the event participants.



A Republican Scientific Conference on the topic "Modern Problems of Ecological Chemistry and Environmental Protection" is being held at BSU

A Republican Scientific Conference on “Modern Problems of Ecological Chemistry and Environmental Protection” was held at Baku State University (BSU) to mark the university’s 105th anniversary and the 20th anniversary of the Department of Ecological Chemistry. The event began with the National Anthem and a minute of silence in memory of National Leader Heydar Aliyev and the martyrs who sacrificed their lives for the liberation of Azerbaijan. In his opening speech, BSU Rector Elchin Babayev emphasized that the “Clean Environment and Green Growth Country” priority outlined in the "Azerbaijan 2030: National Priorities for Socio-Economic Development" document is a core element of the nation’s future, and hosting COP29 in Baku is of great significance. He noted that BSU has expanded its environmental research, awareness campaigns, and new educational programs, highlighting the establishment of the ECOLEAD Clinic, the “Eco Space” initiative, and student success at international competitions. Professor Sevinj Hajiyeva, Head of the Department, and Faculty Dean Akif Aghababali provided detailed insights into the department’s two-decade achievements, international collaborations, and scientific publications, noting that 178 out of 206 submitted articles were accepted for the conference proceedings.



As part of the 105th anniversary of Baku State University, the Faculty of Ecology and Soil Science presented: "The Green Thinking Space"

As part of the 105th anniversary of Baku State University, the Faculty of Ecology and Soil Science organized a presentation titled "The Green Thinking Space." Vice-Rector Farda İmanov emphasized the faculty's active role in addressing ecological challenges and global climate issues, highlighting the growing demand for ecologists. Dean Akif Aghbabali reviewed the faculty's foundation in 2011, following the declaration of 2010 as the "Year of Ecology" in Azerbaijan, and detailed its educational and scientific contributions in areas such as environmental protection, soil assessment, and waste monitoring. With 5 departments, 2 laboratories, and a dedicated teaching staff, the faculty trains over 950 students and contributes to national environmental restoration efforts. Professors Sevinj Hajiyeva and Shovgi Goychayli also spoke on the faculty's role in environmental education and its alignment with national ecological policies initiated during the leadership of Heydar Aliyev.



An International Conference on "Advanced Materials for Solving Biomedical and Ecological Problems" is being held under the organization of BSU and ICESCO

	As part of the 105th anniversary of Baku State University (BSU) and the "Year of Solidarity for a Green World," the international conference titled "Advanced Materials for Solving Biomedical and Ecological Problems" and the opening ceremony of the "I BSU School on Green and Sustainable Science and Education" were held in cooperation with the Islamic World Educational, Scientific and Cultural Organization (ICESCO). At the event, BSU Rector Elchin Babayev emphasized the university's leadership in scientific research and international collaboration, particularly highlighting the Biomedical Materials Department established with ICESCO's support. He noted that joint research, student participation in international programs, and efforts toward sustainable development and ecological problem-solving are key components of this partnership. Distinguished speakers from Azerbaijan, Turkey, Kazakhstan, and Bulgaria underlined the importance of academic collaboration, especially in addressing global issues such as climate change, ecological sustainability, and biomedical innovation. The plenary session featured key scientific presentations, including those by Yusuf Baran and Professor Ulviyya Hasanova, focusing on cancer drug resistance and international research cooperation in biomedicine.

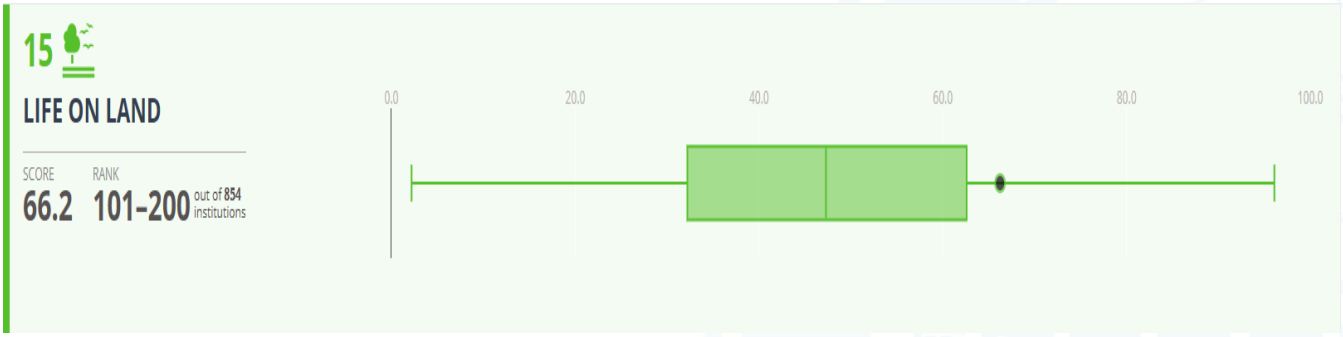


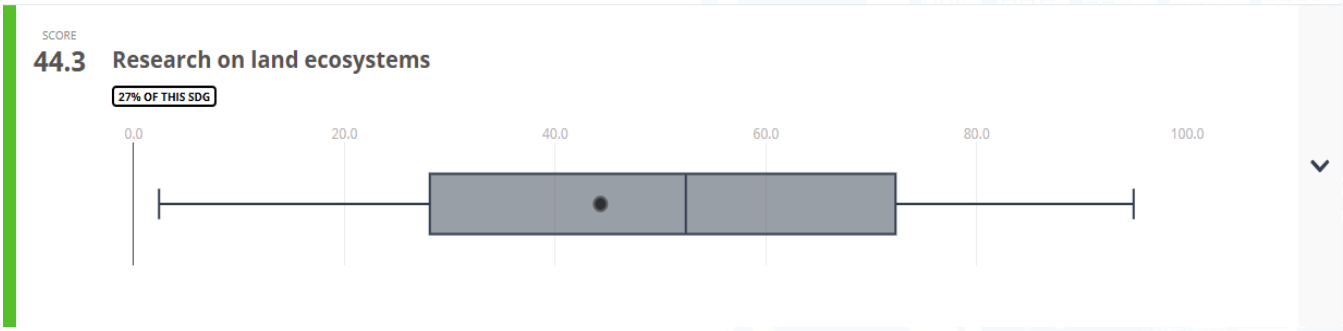
Research

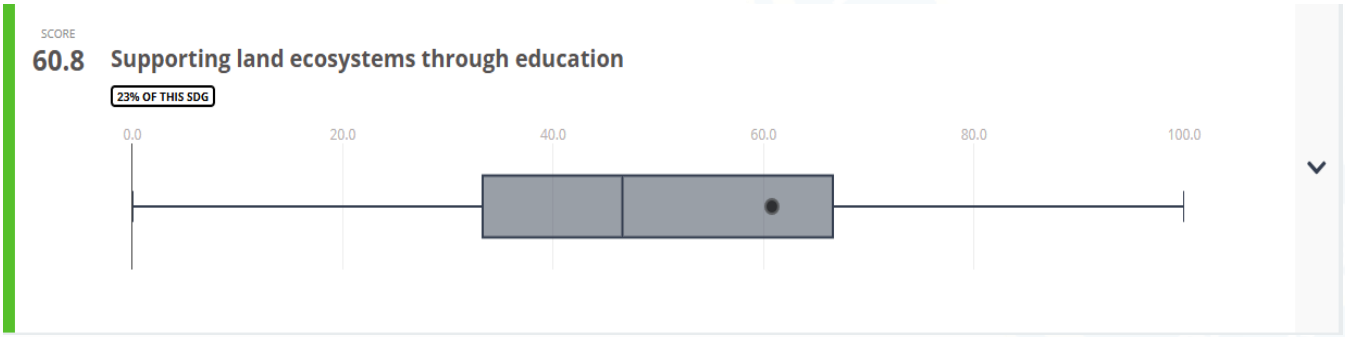
SDG contributions

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		

RANKING RESULTS







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15 LIFE ON LAND

SCORE
75.8 **Supporting land ecosystems through action**

27% OF THIS SDG



SCORE
86.1 **Land sensitive waste disposal**

23% OF THIS SDG



OVERALL RANK

401–600 out of **2318** institutions

15 LIFE ON LAND

SCORE **66.2**

RANK **101–200** out of **854** institutions

QS WORLD UNIVERSITY RANKINGS
SUSTAINABILITY RANKING
RANKED
2025

QS WORLD UNIVERSITY RANKINGS
SUSTAINABILITY RANKINGS 2025

THE IMPACT RANKINGS

Baku State University

941-950

in overall performance

December 2024
Date

Ben Sowter
Senior Vice-President
QS Quacquarelli Symonds

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

3. WORLD RANKINGS HISTORY

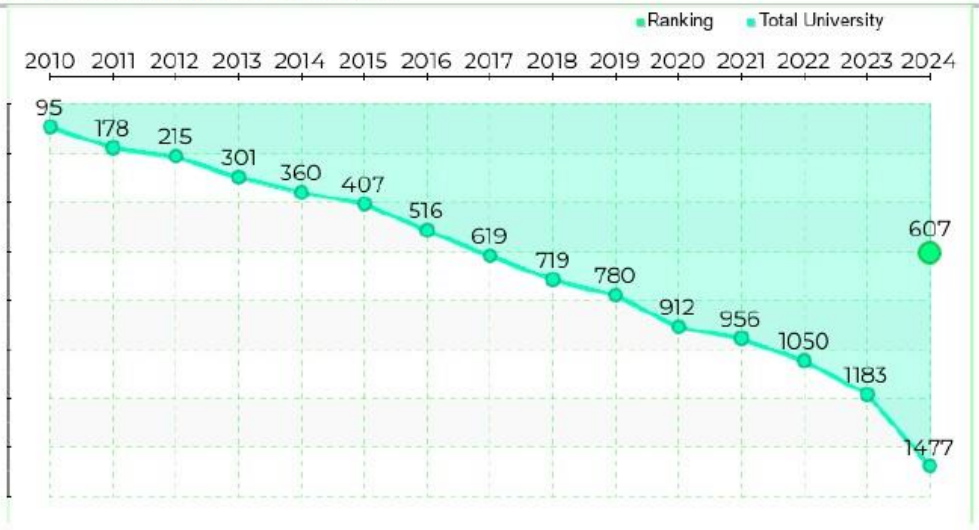


Figure 3.1 World Rankings History Diagram

4. RANKING IN AZERBAIJAN



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15 LIFE ON LAND

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
41.19%

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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15 LIFE ON LAND

MEMBERSHIPS

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

ISCN
International Sustainable Campus Network

GUNI
GLOBAL UNIVERSITY NETWORK FOR INNOVATION

CANIE
climate action network

CONCLUSION

These key findings highlight the university's strong focus on promoting sustainability, preserving biodiversity, and safeguarding terrestrial ecosystems, underscoring its alignment with the objectives of Sustainable Development Goal 15.

The key findings of the report on Baku State University's initiatives related to Sustainable Development Goal 15 (Life on Land) can be summarized as follows:



Project Collaboration

- BSU actively collaborates with organizations such as the Regional Environmental Center for the Caucasus (REC Caucasus) and the Ministry of Ecology and Natural Resources to promote forest conservation and biodiversity protection. The "Promotion of the Global Forest Viewing Platform in the Caucasus Region" project is a significant example of such collaboration.



Sustainable Food Sourcing

- The university has established policies to ensure that products on campus are sustainably farmed. These policies involve agreements with corporations and suppliers to prioritize products grown using sustainable agriculture methods.



Biodiversity Conservation

- BSU's involvement in workshops and initiatives related to biodiversity conservation is notable. The Department for Biodiversity Conservation and Development of Specially Protected Areas of the Ministry of Ecology and Natural Resources holds workshops at the university, raising awareness about the significance of protecting biological diversity

http://sdg.bsu.edu.az/

15 LIFE ON LAND

Plastic Waste

- The university has implemented a policy to reduce plastic waste on campus by banning the use of plastic bottles in canteens and providing recycling bins for plastic and paper waste.

Reduction Water Conservation

- BSU has set specific objectives for water conservation, including a 20% reduction in water consumption relative to the baseline level by 2025 and the implementation of water conservation seminars and workshops

Community Engagement

- The completion of an educational-practical and recreational center in the Guba region has provided a foundation for fostering scientific-practical creativity among teachers and students. It offers an opportunity for recreation, particularly during the summer period, while a portion of the faculty and staff families choose to reside on campus.

Collaboration and Sustainable Procurement

- BSU actively collaborates with a range of organizations, including the UN Development Program, the TACIS Program of the European Commission, and the Ministry of Ecology and Natural Resources. These collaborations demonstrate the university's commitment to sustainability.



Educational Programs

- The university offers educational programs on ecosystems, focusing on the flora and fauna of Azerbaijan. These programs aim to educate students about biodiversity and its conservation, aligning with the goals of Sustainable Development Goal 15.



Terrestrial Ecosystem Preservation

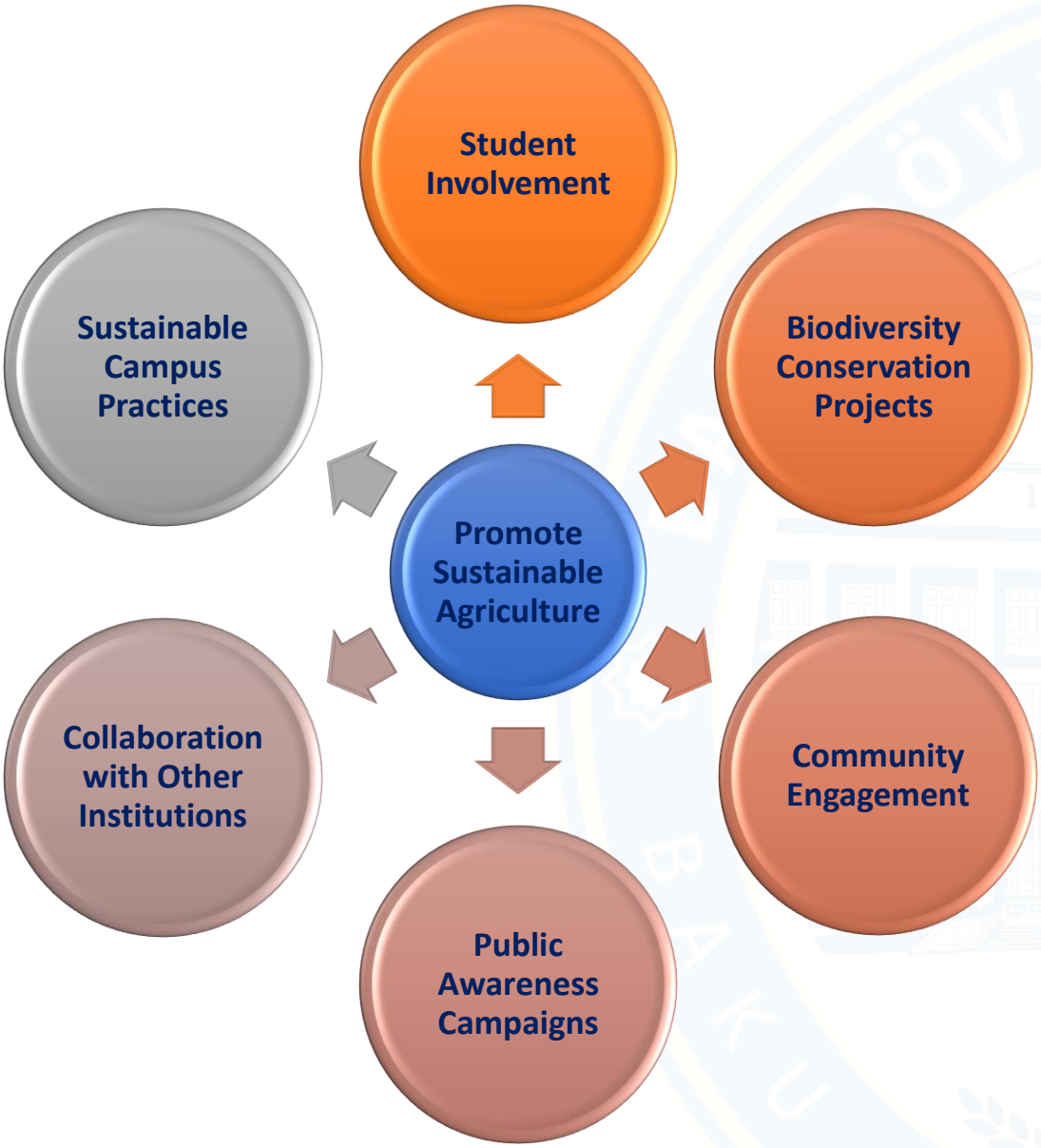
- BSU has a policy in place to ensure the conservation, restoration, and sustainable use of terrestrial ecosystems associated with the university, particularly forests, mountains, and drylands.

IUCN Red Listed Species Protection

- Many faculty members are involved in the preparation of the Red Book of Azerbaijan, with work underway on the third edition. The authors have been trained on the correct use of IUCN categories and criteria, and monitoring is conducted to protect these species.

FUTURE GOALS

BSU has already taken significant steps towards promoting sustainability and biodiversity conservation in line with Sustainable Development Goal 15 (Life on Land). To further enhance their efforts, the university can consider the following future goals:



By setting and pursuing these future goals, BSU can further strengthen its position as a leader in promoting sustainability, biodiversity conservation, and the protection of land ecosystems, making a positive impact on the local and global environment.

Baku State University

2024 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 and actions demonstrates a strong 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.

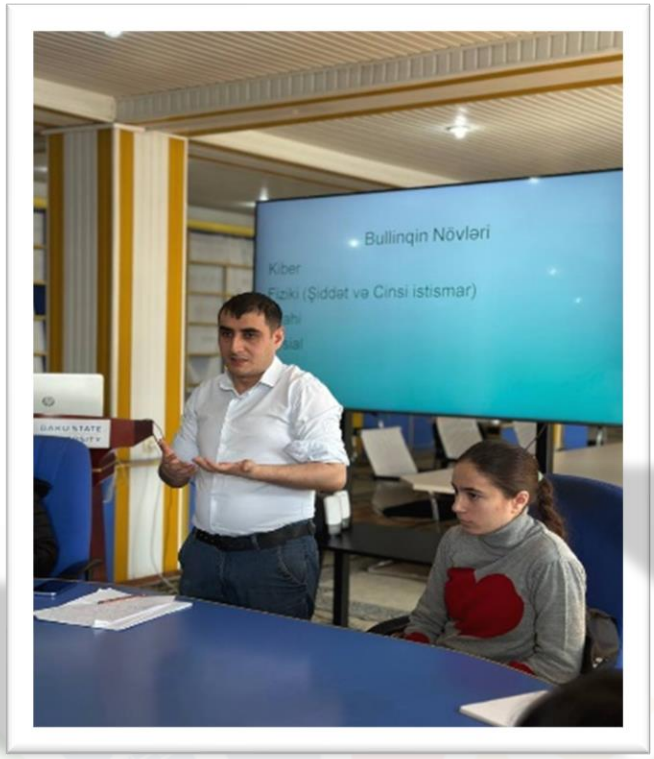
The Criminal Law Association, established under the Department of Criminal Law and Criminology of the Law Faculty of BSU, creates an environment of free discussion by using various social network accounts.

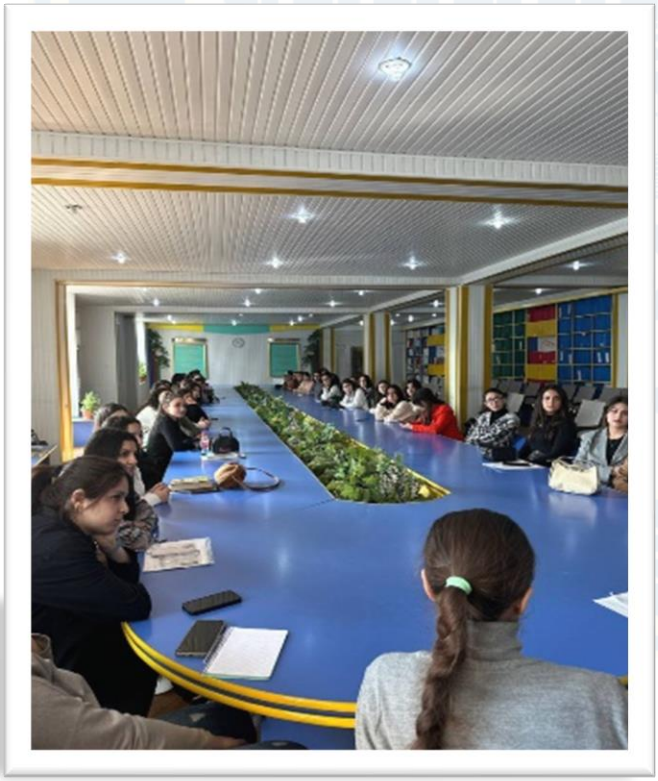
Baku State University Introduces Mandatory Annual Training on Social Sustainability

BSU has launched a mandatory annual training program on the social aspects of sustainability for students, faculty, and staff to foster an inclusive, ethical, and socially responsible academic environment. The program covers key areas such as diversity, equity and inclusion, social justice, community engagement, and well-being, delivered through online modules, workshops, and group discussions. Completion is monitored by the Quality Assurance Office, and participants receive official certificates, reinforcing BSU's broader commitment to sustainability and continuous learning.

Psychological assistance Unit organized a training on bullying

The Psychological Assistance Unit of BSU organized training on "Bullying." The purpose of the event was to promote a healthy moral and psychological environment in educational institutions and to raise students' awareness of protection against different forms of violence. During the training, it was emphasized that bullying is a widespread psychological problem in society, and its four forms—cyber, physical, sexual, and social—were explained along with their psychological and sociological causes. The importance of cooperation between families and educational institutions in solving such issues was highlighted, and an educational video on preventing bullying was presented at the end.





A COLLECTIVE AGREEMENT HAS BEEN SIGNED BETWEEN BAKU STATE UNIVERSITY (BSU) AND THE BSU TRADE UNION COMMITTEE (TUC)



Rector Elchin Babayev stated that the agreement was signed based on the pact between the Ministry of Science and Education and the Republican Committee of the Azerbaijan Trade Union of Education Workers. He noted that the agreement would promote the development of mutual relations between BSU and the BSU TUC based on the principles of social partnership and emphasized that the University has always been supportive of the Trade Union Committee. Later, Rashad Cabarov, Chairman of the BSU Trade Union Committee, expressed his confidence that the agreement would serve as an impetus for further collaboration, underscoring that the TUC has always protected the social, legal, and moral interests of the University's staff.



BSU HOSTS MODEL UN SIMULATION CONFERENCE

BSU has hosted Model UN simulation conference titled 'Addressing Environmental Issues Worldwide within the Framework of Sustainable Development Goals'. The event dedicated to the 'Year of Solidarity for a Green World' was organized by “BSU Volunteers” organization. Model UN simulations engage hundreds of thousands of students each year, helping them to learn more about the principles of the UN and how it functions.



















A MEETING OF THE REGIONAL SECTION OF THE II INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE ON INCLUSIVE EDUCATION WAS HELD AT THE KAZAKH BRANCH OF BSU

A regional session of the II International Scientific-Practical Conference “From Inclusive Education to Inclusive Society” (ITIC 2024) was held at the Kazakh branch of BSU, jointly organized by the Ministry of Science and Education, BSU, and Baku Slavic University. The conference highlighted the progress made in inclusive education in Azerbaijan, the established legislative framework, and state programs ensuring equal education rights for children with disabilities. Speakers emphasized that inclusive education contributes to social equality, while representatives of various universities presented reports on topics such as enriching the content of inclusive education, implementing curricula for students with physical disabilities, facilitating integration into society, teaching students with autism in inclusive classrooms, pedagogical approaches, collaborative partnerships, and aligning inclusive education with labor market needs.




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TRAINING FOR BSU STUDENTS: FAMILY AS THE MAIN CARRIER OF NATIONAL-SPIRITUAL VALUES

A training session on “Family as the Primary Conveyer of National and Moral Values” was held at the Faculty of Social Sciences and Psychology of BSU. Led by dean Rovshan Javadov, the event discussed the historical development of the family institution, the impact of globalization, and the importance of fostering healthy parent-child relationships. Javadov emphasized the family’s crucial role in preserving national and moral values, highlighting the need to maintain Azerbaijani traditions while being cautious of negative foreign influences. Participants were also informed about research conducted at the faculty on family studies and the psychological aspects of intra-family relations. The session concluded with a Q&A, where students’ questions were addressed.

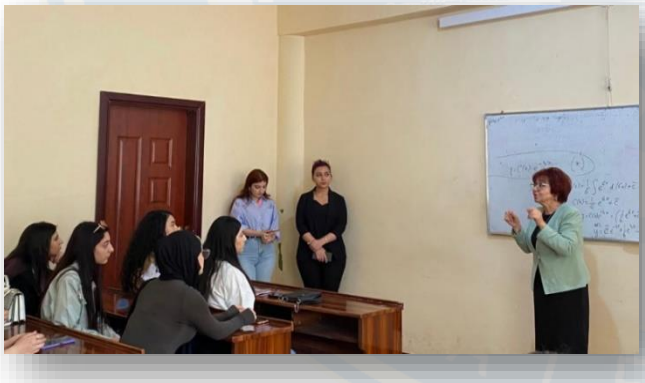




OPEN DIALOGUE ON "GENDER ISSUES IN AZERBAIJAN" AT BSU

The “Sustainable Development Goals” club under the “BSU Volunteers” organization hosted an open dialogue on “Gender Equality in Azerbaijan.” The event explored different interpretations of gender, ongoing reforms to strengthen women’s role in society, and the importance of the state policies initiated by national leader Heydar Aliyev. Participants also emphasized the significance of the law “On Guarantees of Gender Equality” and the regulatory mechanisms overseen by state institutions. It was noted that gender equality is the fifth of the 17 Sustainable Development Goals adopted by the un in 2015, with each country setting its own priorities to achieve them by 2030. Students actively shared diverse perspectives, engaging in a productive and dynamic exchange of ideas.









"SAY: "NO TO DRUGS!" AT BSU



BSU, in cooperation with the Azerbaijan Independence Museum, organized an event titled “Say NO to Drugs” within the framework of the “2019–2024 State Program on Combating Illegal Trafficking of Narcotic Drugs, Psychotropic Substances, and Drug Addiction.” The event aimed to raise awareness among youth, particularly teenagers and students, about the dangers of drug addiction and to promote a healthy lifestyle. Dean Ziyatkhan Aliyev and deputy Dean Etibar Ahmadov highlighted the link between drug abuse, crime, and violence, stressing its global crisis status. Ramida Mamedova from the Azerbaijan Independence Museum emphasized the importance of awareness campaigns, while psychologist Ayshan Samadova underlined the illegal drug trade in the country and the need for collective societal action. The event also included projective methodology sessions conducted for students.







BSU students visit to anti-corruption headquarter: Open door day

An “Open Door” event was held for BSU Law students at the Anti-Corruption Office under the Prosecutor General. Students were provided with detailed information about the office’s organizational structure, functions, and cooperation with investigative authorities. They toured the administrative premises and, at the Criminalistics Department, gained first-hand insights into crime-solving methods, forensic kits, and investigative tools, with their questions thoroughly addressed.











BSU students received education on the adverse effects of drug addiction

The Student Youth Organization of the Faculty of Biology at BSU held an event titled “Let’s Say No to Drug Addiction!” to raise awareness about the dangers of substance abuse. Deputy Dean Yusif Abiyev spoke about the harmful effects of drugs on the human body, their social consequences, threats to the gene pool, and their negative impact on moral values, socio-economic development, health, and safety, stressing the importance of promoting a healthy lifestyle among youth. First-year students Natavan Akbarova and Ismayil Mutallimli followed with a presentation on narcotic plants and their effects. The event concluded with the screening of an educational video on the consequences of drug addiction.







Establishment of the ECOLEAD Clinic at BSU

At the Scientific Council of BSU, the importance of investigating illegal activities against environmental protection and preventing violations was emphasized, leading to the establishment of the ECOLEAD Clinic. An agreement on the ECOLEAD project was signed among the Prosecutor General's Office, the Ministry of Ecology and Natural Resources, and BSU. The platform will include "ECOLAB," "Ecoclinic," and "Cerima Park – Nature's Revenge," contributing to addressing post-conflict environmental challenges, particularly in the Karabakh and Eastern Zangazur economic regions. The ECOLEAD Clinic will play a key role in promptly detecting, preventing, and resolving environmental violations while fostering collaboration among professionals.



BSU Rector Elchin Babayev: Collaboration at national and international levels is essential for solving environmental problems



Elchin Babayev, Rector of BSU, spoke at the scientific-practical conference in Sheki under the ECOLEAD project, titled “Forming Academic-Scientific Foundations for Protecting Green Spaces Against Climate Change.” He emphasized BSU’s scientific and educational infrastructure for environmental protection, including the Faculty of Ecology and Soil Science and the Environmental Chemistry and Protection Laboratory, highlighting interdisciplinary collaboration to develop effective methods for mitigating environmental impacts and promoting sustainable technologies for future generations. He also noted the key role of the ECOLEAD Clinic, established in collaboration with the Prosecutor General’s Office, in detecting and resolving environmental violations. The conference addressed the ecological damage caused by Armenia’s long-term aggression, the threats from illegal activities, and the urgent need for coordinated legal, scientific, and public efforts. Babayev stressed that a unified approach combining law enforcement, research, and public engagement is essential, and that the ECOLEAD Platform will contribute to solving environmental challenges by integrating scientific, educational, and legal solutions while involving students, young researchers, scientists, and legal professionals.









BSU students participated in a tree-planting campaign within the framework of the "ECOLEAD" project

	As part of the “ECOLEAD” project (Enhancing the Environment: Awareness and Law Enforcement Activities), a tree-planting campaign dedicated to the “Year of Solidarity for a Green World” was held. Officials and employees from the Prosecutor General’s Office, the Ministry of Ecology and Natural Resources, and BSU, along with students, planted trees suited to the soil and climatic conditions of the Absheron Peninsula along Abbas Mirza Sharifzade Street in the Yasamal district of Baku. The ECOLEAD platform aims to prevent environmental violations, facilitate experience sharing, and raise public awareness about environmental protection. The project also focuses on restoring greenery damaged by environmental crimes, founded on a memorandum of understanding signed among the Prosecutor General’s Office, the Ministry of Ecology and Natural Resources, and BSU, with Nakhchivan State University later joining the agreement.





Parliament Model Simulation on the Topic of Sustainable Development Goals at BSU



The "BDU Volunteers" organization at BSU held a Parliament Model Simulation on "Sustainable Development Goals." During the simulation, students discussed various political issues, analyzed ways to achieve the Sustainable Development Goals, and proposed measures for addressing emerging national challenges, including the elimination of landmine threats through collective efforts. As a result, a legislative proposal encompassing the Sustainable Development Goals was adopted by the parliament. The event concluded with a performance by the "Lin-orph" music club. The Parliament Model Simulation serves as a non-formal educational tool to enhance students' understanding of parliamentary mechanisms and philosophy while developing their analytical thinking and debating skills.





An international scientific conference has been held organized by BSU as part of Baku Climate Action Week



An international scientific conference on "Accelerating Research and Collaboration for Climate Action" was held as part of Baku Climate Action Week, organized by BSU. The conference focused on the scientific and practical aspects of climate change, including its impact on transboundary water resource management, the role of artificial intelligence and advanced analytical tools, international cooperation mechanisms, and the effectiveness of joint initiatives at the global level. BSU Rector Elchin Babayev and other leading officials and scientists emphasized the importance of scientific approaches, education, regional and global cooperation, and equipping youth with green skills to address climate change. Scientific sessions discussed topics such as greenhouse gas emissions, analytical processing of large data sets, application of AI technologies, impacts on water resources and socio-economic systems, carbon capture technologies, renewable energy, and energy efficiency. International cooperation, development of national strategies, and achieving global climate goals were central, with practical proposals presented to enhance the effectiveness of joint actions in combating climate change.







A scientific conference is being held organized by BSU as part of Baku Climate Action Week

The international scientific conference on "Accelerating Research and Collaboration for Climate Action," organized by BSU as part of Baku Climate Action Week, discussed the scientific and practical aspects of climate change. The conference addressed the collection and analysis of empirical data, the role of artificial intelligence and advanced analytical tools in combating climate change, the management of transboundary water resources, international cooperation mechanisms, and the synergy of joint initiatives at global and regional levels. Applications of AI in climate modeling, processing of large datasets, making optimal decisions based on real-time data, carbon capture technologies, renewable energy, energy efficiency, and waste reduction innovations were key topics. The conference also examined the socio-economic impacts of climate change, including economic growth, poverty, migration, food security, and employment, as well as the economic

and legal measures governments should adopt and ways to formulate and implement policies.



Session on "The consequences of early marriage" for BSU



An informational session on “The Consequences of Early Marriage,” organized by members of the "BSU Volunteers" from the Faculty of Social Sciences and Psychology, emphasized that early marriages were one of the most pressing social problems of our time. According to legislation, marriages conducted before the age of 18 were considered early marriages and deemed illegal. Additionally, children at an early age were not physiologically or psychologically prepared for marriage. Early marriages could lead to serious consequences in their lives, including domestic violence, maternal and infant mortality during childbirth, and various physical and psychological difficulties. The session also explained amendments to the Family Code, Criminal Code, and

Administrative Offenses Code aimed at preventing early marriages, along with related issues. The event concluded with the screening of a short educational film.






Event on "COP29 and global climate change" at BSU



At the Faculty of Social Sciences and Psychology of BSU, an event titled “COP29 and Global Climate Change” was held, where Dean Associate Professor Rovshan Javadov emphasized the international significance of President Ilham Aliyev's decree declaring 2024 the “Year of Solidarity for a Green World” and Azerbaijan’s hosting of COP29, highlighting the country’s leading role in global ecological policy and climate action. Deputy Dean for Social Affairs Nazakat Karimova and Head of the

Department of Social Work Uzeyir Shafiyev discussed pressing global environmental issues, the causes of climate change, and Azerbaijan's efforts to address them, noting that 20% of the country's territory had been subjected to ecocide due to occupation and that major projects are now being implemented in the liberated territories to restore ecological balance, develop a green economy, and transition to green energy.





Prosecutor General's Office, Ministry of Ecology, and BSU Ecolead Project Continues Successfully

Within the framework of the "Year of Solidarity for a Green World," awareness posters on environmental topics had been installed in streets and parks, and an afforestation campaign had been held in the Yasamal district as part of the ECOLEAD project jointly implemented by the Prosecutor General's Office, the Ministry of Ecology and Natural Resources, and BSU. The main goal of the project had been the restore green spaces damaged by environmental crimes across the country. It had been



launched through a memorandum of understanding signed in Khankendi, and later Nakhchivan State University had joined the initiative.

Round Table on "Who is the Ensurer of Ecological and Socio-Economic Sustainability at COP29" at BSU

At BSU, a round table discussion on "Who is the Ensurer of Ecological and Socio-Economic Sustainability at COP29" had been held, jointly organized by BSU and the Educational Institute (ARTI) with the support of BSU's Student Youth Organization. The moderator, Aynur Pashayeva, had emphasized the importance of raising awareness on climate change and COP29, providing information on measures taken in Azerbaijan to protect the environment and address climate-related challenges. During the event, Associate Professor Qoshgar Mammadov had presented on "Green Economy and Sustainable Development of Agriculture," Associate Professor Azer Jafarov on "Climate Change and Azerbaijan," Associate Professor Ilgar Khalilov on "COP29 as a Provider of Economic Sustainability," and Jamila Hasanova on "COP29 and the Promotion of Social Justice: Digital Governance Technologies." Finally, Makhabbat Pashayeva, a leading expert at ARTI, had spoken on "The Importance of COP29 for Azerbaijan in the Year of Solidarity for a Green World."



The presentation ceremony of the Azerbaijani version of the "Climate Change Guide for Legislators" has been held

A presentation ceremony of the Azerbaijani version of the "Climate Change Guide for Legislators" had been held at ADA University. Translated by GLOBE International and presented within the framework of COP29, the guide had been designed for parliamentarians, government institutions, and decision-makers. The event had been attended by BSU Rector Elchin Babayev, National Assembly Deputy and GLOBE Parliament Champion for COP29 Fariz Ismayilzadeh, GLOBE International President Malini Mehra, and representatives of the University of Exeter. In his speech, Elchin Babayev had emphasized climate change as a global challenge, underlining Azerbaijan's active role and the significance of declaring 2024 the "Year of Solidarity for a Green World." He had also noted that the guide provided scientific insights into the causes, consequences, and solutions of climate change, supporting effective policy-making and awareness. The event had also strengthened cooperation with COP29 participants, parliamentarians, and international experts in addressing climate change.



Round table on “Ecological Awareness, Ecological Education, Ecological Culture” at BSU

At the Department of Philosophy of the Faculty of Social Sciences and Psychology of BSU, a round table on "Ecological Awareness, Ecological Education, Ecological Culture" dedicated to the importance of COP29 had been held. The head of the department, Kamala Panahova, had emphasized the global significance of COP29 and stressed the necessity of personal will, ecological action, and the promotion of ecological culture in society for the realization of ecological awareness. Deputy Dean Nazakat Karimova had noted that ecological problems had become global and warned that without changing attitudes toward nature and the inefficient use of resources, negative consequences would follow. Faculty members had spoken about the history of COP, the importance of Azerbaijan hosting such an event, the “smart city” and “smart village” projects in the liberated territories, and the need for national reserves, while also discussing the crucial role of ethical responsibility and justice in combating climate change.



BSU Volunteers have been awarded

With the support of the Youth Foundation, organized by the Azerbaijan Volunteer Organizations Alliance, and in partnership with the Ministry of Ecology and Natural Resources, the Ministry of Youth and Sports, "ASAN Service," and the IDEA Public Union, the "VII Solidarity Forum of Azerbaijani Volunteers," dedicated to the "Year of Solidarity for a Green World," had been held. Within the framework of the forum, Ismail Zeynalov, Vice President of the "BSU Volunteers" organization, had been awarded the title of "Volunteer of the Year" in the "Volunteering in State Institutions" category, while Vice President Rustam Aliyev and Club Activities Manager Mirhuseyn Taghiyev had been honored with diplomas for their contributions to volunteer activities in 2024.



The Psychological Support Sector of BSU has conducted a training titled "Healthy Communication in Family Relationships

	The Psychological Support Sector of BSU had conducted a training on "Healthy Communication in Family Relationships" for students. Students from all faculties had participated, and the sector's psychologist, Ilkana Mansumova, had provided detailed information on the role of the family in societal development, the structure of healthy communication, and the family institution in Azerbaijan. Students' questions on the topic had been answered, and solutions to common problems in family relationships had been explained.





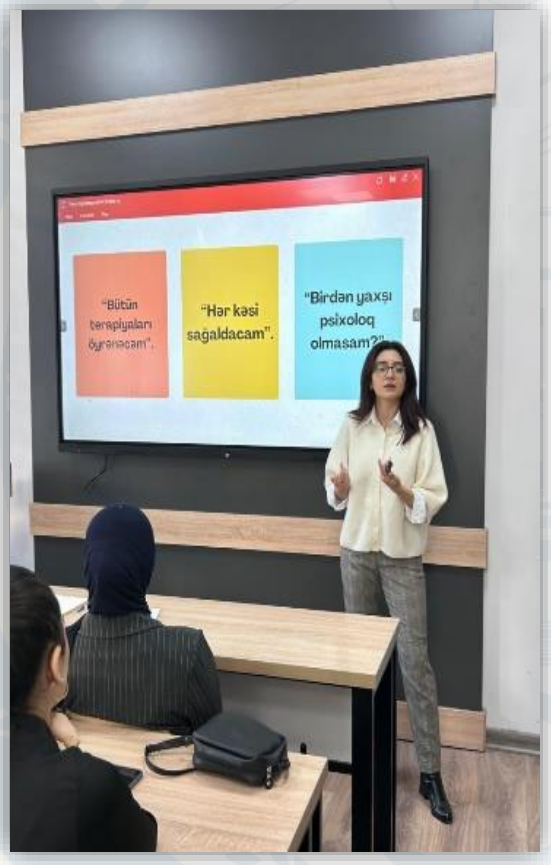
The Final Meeting of the Project "Return Mission: Youth Solidarity and Cooperation Initiatives" at Baku State University (BSU)

The final meeting of the project "Return Mission: Youth Solidarity and Cooperation Initiatives," financially supported by the Ministry of Youth and Sports and jointly initiated by the Return and Revival Youth Organization and the BSU Student Youth Organization, had been held at BSU. The event had begun with a moment of silence to honor the memory of National Leader Heydar Aliyev and the martyrs who sacrificed their lives for the liberation of our lands. Project coordinator Vugar Qadirov had emphasized that such initiatives played an important role in implementing state youth policy, fostering patriotism, and representing Azerbaijan's interests on various platforms. Shahin Qadirov, a participant of the First Karabakh War, poet, and psychologist, had spoken about the large-scale reconstruction efforts in Karabakh and Eastern Zangazur, the significance of the "Great Return" State Program, and highlighted that one of the project's main goals was to encourage the return of young people to the liberated territories.



Training for Baku State University Students: "Practical Experience and Ethical Approach in Psychology"

	At the Faculty of Social Sciences and Psychology of BSU, a training session on "Practical Experience and Ethical Approach in Psychology" had been held. Organized by the BSU Career and Alumni Affairs Center and conducted by psychologist Afag Mammadova, the training had provided students with knowledge about the main and additional components of practical experience, the challenges faced by newly qualified psychologists, and ways to overcome them. Ethical principles such as non-maleficence, confidentiality, competence, integrity, and respect had also been discussed, with emphasis placed on the importance of psychologists conducting their professional activities responsibly and respectfully in accordance with these guidelines.



BSU teachers delivered a lecture at the Scientific-Educational Center of the prosecutor general office

Teachers from the Department of Psychology at the Faculty of Social Sciences and Psychology of BSU, Azer Mustafayev and Yaman Valiyeva, had delivered a lecture at the Scientific-Educational Center of the Prosecutor General's Office of Azerbaijan for candidates who had successfully passed the 2024 recruitment competition for the

prosecution authorities. Azer Mustafayev, in his lecture on "The Motivation of Criminals," had scientifically analyzed criminal behavior in terms of age characteristics, psychological development, gender socialization, and pathological factors, supporting theoretical concepts with practical examples. Yaman Valiyeva, in her lecture on "The Psychological Foundations of Preliminary Investigation," had discussed the psychological aspects of an investigator's work in establishing the truth at the beginning of a case, emphasizing the need for professional thinking, extensive experience, psychological competence, and the ability to influence the psychology of the person being interrogated.



RESEARCH

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		

http://sdg.bsu.edu.az/

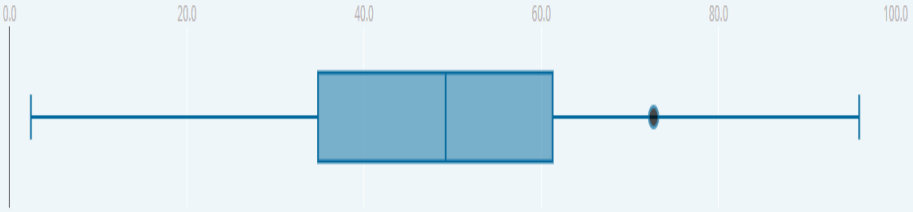
RANKING RESULTS

16

PEACE, JUSTICE AND STRONG INSTITUTIONS

SCORE 72.7

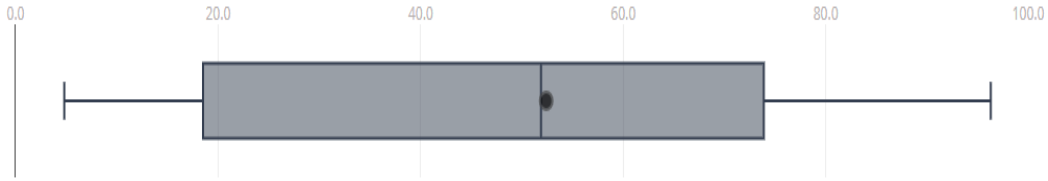
RANK 101-200 out of 1265 institutions



SCORE

52.4 Research on peace and justice

27% OF THIS SDG



SCORE

79.8 University governance measures

26.6% OF THIS SDG



http://sdg.bsu.edu.az/

SCORE

74.7 Working with government

23.2% OF THIS SDG



SCORE

86.2 Proportion of graduates in law and civil enforcement

23.2% OF THIS SDG



THE IMPACT RANKINGS

OVERALL RANK

401–600 out of 2318 institutions

16

PEACE, JUSTICE AND STRONG INSTITUTIONS

SCORE 72.7

RANK 101–200 out of 1265 institutions



QS WORLD UNIVERSITY RANKINGS

SUSTAINABILITY RANKINGS 2025

Baku State University

941-950

in overall performance

December 2024

Date

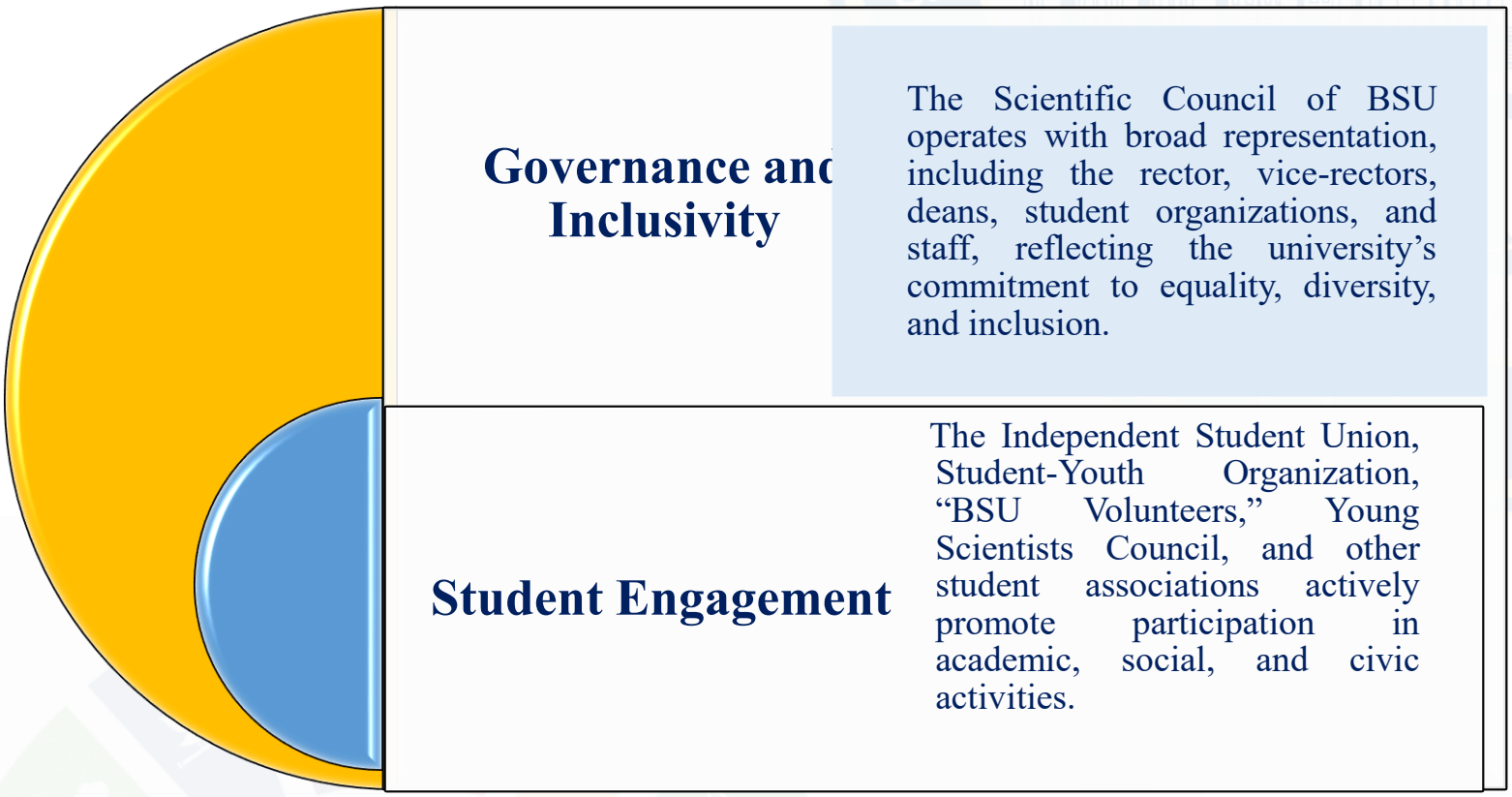
Ben Sowter
Senior Vice-President
QS Quacquarelli Symonds

Baku State University

http://sdg.bsu.edu.az/

CONSLUSION

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:



http://sdg.bsu.edu.az/

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.

Focus on Social Issues	BSU organizes training and initiatives targeting bullying, drug abuse, early marriages, and other social challenges to promote a safe, equitable, and healthy society.
International Cooperation on Climate Change	Participation in events such as COP29 and Baku Climate Action Week enables BSU to contribute to global environmental policy and the development of green skills among youth.
Academic Freedom and Transparency	Students have freedom in selecting research topics, while master's and doctoral candidates are supported in conducting independent research and interdisciplinary collaboration.

FUTURE GOALS



As future goals for BSU in its engagement with Sustainable Development Goal (SDG) 16, there are several steps and initiatives the institution can consider.

- Enhancing Educational Curricula
- Increasing Research Output
- Broadening Collaborations
- Organizing Public Discussions
- Fostering Student Engagement

Baku State University

2024 REPORT ON

17 PARTNERSHIPS FOR THE GOALS

INTRODUCTION



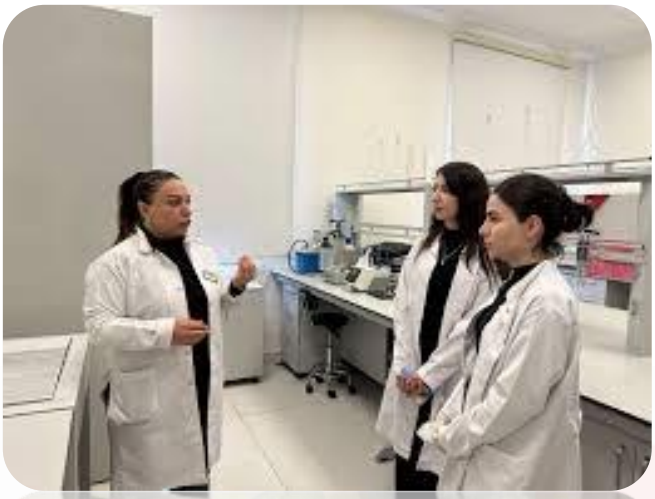
The "Azerbaijan 2030: National Priorities for Socio-Economic Development" and the "Socio-economic Development Strategy of the Republic of Azerbaijan in 2022-2026" outline a crucial national priority aimed at fostering competitive human capital and modern innovations. To achieve this goal, the country is focusing on establishing Research Universities by 2026. Baku State University (BSU), as the largest educational and scientific institution, has set up a cutting-edge education-research-industry-oriented center called the Center of Excellence for Research, Development, and Innovations. This center, along with modern research laboratories, is equipped with state-of-the-art scientific devices and technology to facilitate interdisciplinary scientific collaboration and the application and commercialization of research outcomes in the industry. It also plays a vital role in training master's and doctoral students directly within scientific-research laboratories. Moreover, this advanced research infrastructure is not exclusive to BSU; it is accessible to employees and students from various scientific research



institutes, higher education institutions, and relevant organizations, promoting a collaborative environment for scientific inquiry. This initiative is expected to enhance international cooperation and facilitate competitive scientific research within the framework of diverse projects and programs, propelling Azerbaijan's position in the global scientific landscape.









BSU takes an active part in the creation and implementation of SDG policies. It can be direct or indirect involvement to NGOs to identify problems and come up with solutions. Direct involvement in, or input into, national government or regional non-government organizations (NGOs) on Sustainable Development Goal (SDG) policy development is a significant and multifaceted role that can have a substantial impact on the achievement of the SDGs.

The university conducts a series of meetings with national government or a lot of non-government organizations to model likely futures, build partnerships and raise public awareness. To have direct involvement or input into national government or regional NGO SDG policy development, it's essential to establish credibility, build relationships with key decision-makers and engage in a collaborative and constructive manner.





BSU is actively involved in the coordination of events related to the elements and goals of the SDGs, collaborating closely with governmental, international institutions, and NGOs. This is exemplified by the participation of staff from the Department of Hydrometeorology in projects conducted by the UN Development Program, the TACIS Program of the European Commission, USAID, the Ministry of Ecology and Natural Resources of the Republic of Azerbaijan, and the Melioration and Water Industry Open Joint-Stock Company. Additionally, the Department of Gender and Applied Psychology participates in international conferences, such as the Worldwide Feminine International Conference, and engages in other relevant initiatives, including cooperation with UNDP Azerbaijan.









BSU consistently engages in these activities and actively looks for chances to make meaningful contributions. It's important for BSU to actively participate in international collaboration for SDG data collection and measurement, as universities play a vital role in research, education, and fostering a culture of data-driven decision-making. By engaging in such efforts, universities can contribute significantly to the achievement of the SDGs. The University conducts research projects and studies that contribute to data collection and analysis related to various SDGs. At the same time establishing partnerships with international organizations are very useful to share expertise. BSU offers training and capacity-building programs to equip students and researchers with the skills and knowledge necessary for SDG data collection and analysis. Our main goals are publishing research findings in academic journals and share them with the broader community. Moreover, making data and research results openly available for public and policymaker access.

Azərbaycan Respublikası
Ekologiya və Təbii Sərvətlər
Nazirliyi

United Nations
Development Programme

USAID

In "Azerbaijan 2030: National Priorities for Socio-Economic Development", one of the national priorities for the socio-economic development of our country is the formation of "Competitive human capital and space for modern innovations". As stated in the "Socio-economic Development Strategy of the Republic of Azerbaijan in 2022-2026", the creation of "Research Universities" is planned for the development of science in Azerbaijan and the rise of its position at the world level by 2026. As the largest scientific and educational institution of our country, BSU has a new education-research-industry-oriented acceleration and research center - the Center of Excellence for Research, Development and Innovations, which was created for this purpose and operates in other modern scientific research laboratories. The most modern scientific device for conducting competitive innovative scientific research in accordance with the modern trends of world science, ensuring multidisciplinary between different fields of science, applying and commercializing scientific results in industry by expanding scientific-educational-production integration, training master's and doctoral students directly in scientific-research laboratories, equipment and materials, computer systems and IT equipment equipped with various types of programs are purchased. It should also be noted that not only employees, students, masters and doctoral students of BSU, but also employees of our country's scientific research institutes, higher education institutions and other relevant institutions within the framework of cooperation participate in scientific research and all they will be able to use



devices and equipment. The scientific-research environment that will be created at the level corresponding to the most modern requirements will further develop international cooperation and will allow conducting competitive scientific research within the framework of various projects and programs.













BSU collaborates with NGOs to address the SDGs through various initiatives. Such collaborations are instrumental in advancing sustainable development efforts. BSU works with NGOs to raise awareness about the SDGs and advocate for their importance at local, national, and international levels. Collaborative events, such as seminars, conferences, and workshops, can provide a platform for universities and NGOs to share knowledge, best practices, and innovative solutions related to the SDGs.









BSU offers a range of systematic training and educational programs that are centered on the SDGs. Additionally, various SDG-related topics have been incorporated into relevant academic programs. Here's a list of some of the educational programs and academic courses that BSU offers:

- Introduction to Gender
- Sustainable Development Goals in Azerbaijan
- "Green" and "Blue" Economy
- Food Security and Sustainable Development
- Urbanization and Urban Planning

These programs and courses demonstrate BSU's commitment to providing education and training related to the SDGs. By integrating SDG-related topics into

their academic offerings, they help students gain a deeper understanding of sustainability issues and prepare them to contribute to the achievement of the SDGs in their future careers and endeavors.





Book exhibition called "Year of Solidarity for Green World" at BSU



A book exhibition called "The Year of Solidarity for the Green World" was organized at the Scientific Library of BSU. More than 100 textbooks, atlases, encyclopedic dictionaries, conference materials, and other publications related to the nature of Azerbaijan and various fields of ecology were displayed at the exhibition. Among the exhibited works were books authored and co-authored by well-known BSU scientists, such as "Ecology and Environmental Protection," "Human Ecology," "Forest Ecology," "Encyclopedic Ecological Dictionary," "Ecology, Environment and Man," and "Ecological Geology." The exhibition also included the books "General Ecology" and "Priority

Directions of Environmental Policy and Green Economy in the Context of Sustainable Development."





The micromorphology of different types of plants is studied at BSU

The scientific article "Micrometer insights into Nepeta genus: Pollen micromorphology unveiled" co-authored by Afat Mammadova, Dean of the Faculty of Biology of BSU, has been submitted to the "Scopus" and "Web of Science" databases. was published in the journal Micron (IF: 2.3).



Baku State University Introduces Mandatory Annual Training on Social Sustainability

BSU had reinforced its commitment to sustainability by introducing a mandatory annual training program on social sustainability for students, faculty, and staff. The program had covered areas such as diversity, equity and inclusion, social justice and ethical governance, community engagement and responsibility, as well as health and well-being. It had been delivered through online modules, workshops, and group discussions, monitored by the Quality Assurance Office, and participants who successfully completed it had received official certificates.

An event dedicated to the World Environmental Education Day was held at BSU



It was emphasized at the event that protecting the environment requires a global change in the attitude towards nature, moving from a consumer society to one that protects nature. This transition necessitates establishing international control over the world's natural resources, their fair distribution among nations, drafting an "International Ecological Code," and expanding mass BSU environmental education to foster ecological culture. The importance of environmental education in directing public attention to environmental issues, solving these problems, and preventing potential future complications was also highlighted. Confidence was expressed that students in the Faculty of Ecology and Soil Science will become a leading force in environmental protection and education for Azerbaijan and the world. It was noted that the modern

environmental education movement gained international recognition at the 1972 United Nations "Human Environment" conference held in Stockholm, Sweden, where the Stockholm Agreement, consisting of 26 principles on environment and sustainable development, was signed-one of which is the principle that "Environmental education is important."









A memorandum of understanding was signed with the Biological Diversity Protection Service



A memorandum of understanding on cooperation was signed between the Biological Diversity Protection Service and BSU. At the signing ceremony, BSU Rector Elchin Babayev emphasized the great importance of hosting the 29th session of the UN Framework Convention on Climate Change (COP29) in Azerbaijan in 2024, calling it one of President Ilham Aliyev's major achievements. Declaring 2024 as the "Year of Solidarity for the Green World" in Azerbaijan will further accelerate the country's environmental efforts. The memorandum outlines joint scientific research, educational programs, internship opportunities, national and international events, and the involvement of students in environmental projects. Firuddin Aliyev, head of the Biological Diversity Protection Service, highlighted the suitability of national parks for scientific research and stressed the importance of actively involving students in the educational process.









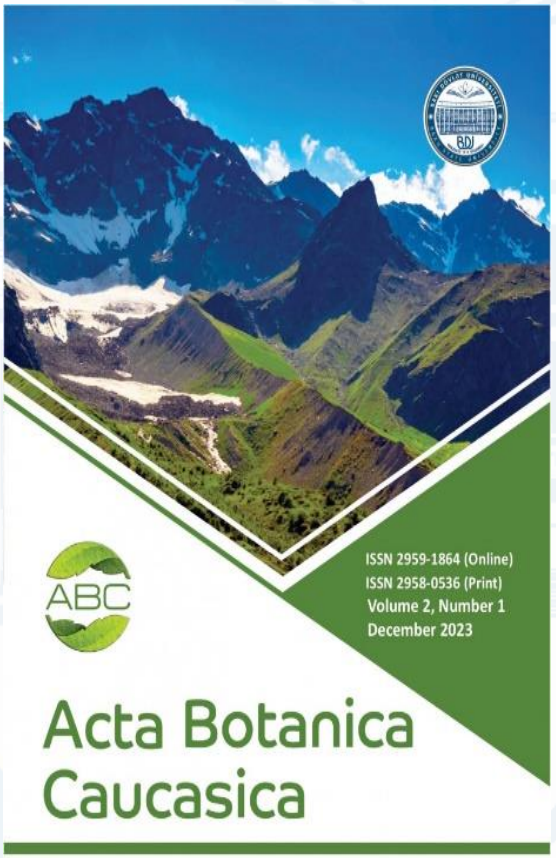
A memorandum of understanding was signed with the Social Services Agency

BSU had actively provided expert advice to local, regional, and national government bodies, and in this context, a memorandum of cooperation had been signed with the Social Services Agency under the Ministry of Labor and Social Protection of the Population. Rector Elchin Babayev had noted that in recent years, close cooperation had been maintained with the National Academy of Sciences, the Psychological Service Sector had been successfully operating, and policy-focused research had been conducted with government institutions. Chairman of the Agency, Vugar Behbudov, had provided information on social services for vulnerable groups, emphasized the need for cooperation with higher education institutions in training specialists, and stated that 100 bachelor's and 24 master's graduates of BSU were employed at the Agency. According to the memorandum, production and research internships had been organized within the next 3 years for BSU students, and specialists from both sides had participated in the preparation and implementation of joint social projects.



The Scientific Journal founded by BSU has been indexed in the ARGIS

The journal Acta Botanica Caucasica, founded by BSU, had been indexed in the International System for Agricultural Science and Technology (AGRIS) of the United Nations Food and Agriculture Organization (FAO) and had received a special identification code. AGRIS, which had been operating since 1974, had contained over 12 million structured bibliographic records and had been recognized as one of the world's leading databases in biological and agricultural sciences. It had received data from more than 150 institutions across 65 countries and had been used by over 400,000 researchers and specialists worldwide. Through its search engine, users had been able to perform complex searches using the AGROVOC thesaurus, journal titles, and names of countries, institutions, or authors.



Meeting on awareness events on the field of social work



A meeting had been held between the Department of Social Work of the Faculty of Social Sciences and Psychology of BSU and the employees of the State Social Protection Fund (SSPF) within the framework of the "Education in the field of social work" project. The meeting had been attended by Associate Professor

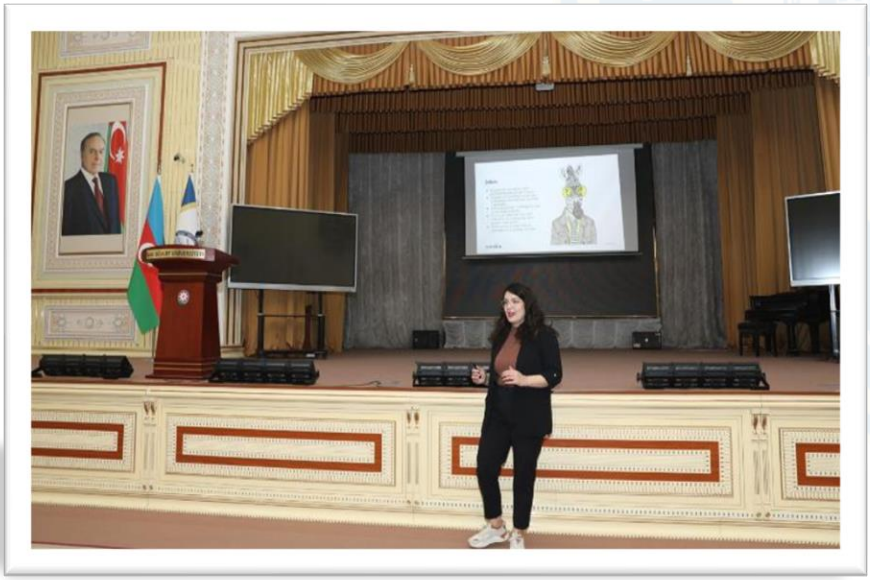
Uzeyir Shafiyev, Head of the Department of Social Work, staff members Eliza Ismayilova and Tarlan Taghiyeva, SSPF department heads Eyvaz Ismayilov, Rasim Safarov, and Elnur Mammadov, as well as deputy directors Lala Abdullayeva and Jafar Salmanov. The main goal of the project had been to inform students about the activities of the SSPF, social reforms in the country, applied innovations, and their coordination with social work education. Uzeyir Shafiyev had emphasized that cooperation with SSPF was important for improving the quality indicators of social work education, that it covered multifaceted directions, and that it was appropriate to hold practical master classes by SSPF employees. Cooperation opportunities had been discussed at the meeting.





A new opportunity for students engaged in startup activities

The 3rd phase of the Viveka Company Creation Program project had been launched exclusively for BSU within the framework of Turkey's leading strategy and innovation consulting firm Viveka, with the initiative of the Innovations and Digital Development Agency and the sponsorship of PASHA Holding. The program had provided a unique opportunity for those who wanted to turn their entrepreneurial dreams into reality but did not know where to start. Participants had gained both theoretical and practical knowledge about technological solutions, legal, financial, market, and other aspects of startup creation based on the model proposed by *Viveka*, and they had benefited from the No-Code MVP speed, which allowed them to develop a Minimum Viable Product without requiring advanced technical skills.





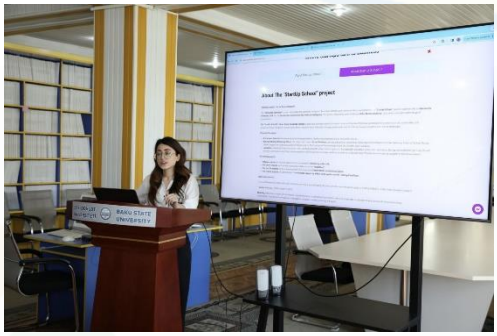
StartUp School 2 - AI for Green Solidarity project was presented at BSU



The Enterprise Azerbaijan portal, operated by the Center for Analysis of Economic Reforms and Communication, had organized an educational event at BSU within the framework of the StartUp School 2 - AI for Green Solidarity project, implemented in collaboration with the German Research Center for Artificial Intelligence and the University of Nevada, USA. At the event, Ramin Samadov, Head of the Humanitarian Affairs and Youth Policy Department of BSU, had emphasized the importance of the project in supporting young people's ideas, while Matanat Musayeva, Head of the Enterprise Azerbaijan portal, had highlighted its international collaborations and opportunities for youth. Project manager Nazrin Akbarova had provided students with detailed information on the project's purpose, criteria, idea-to-business potential, and innovation trends. As part of the event, a quiz on the startup ecosystem had been held, and active participants had received the book Innovation and Entrepreneurship: Startup Ecosystem. Finally, employees of the portal had visited the Student Scientific and Technical Creativity Center and the Nanoresearch Laboratory of BSU's Research, Development, and Innovation Center of Excellence.







Scientific Seminar on "Green Libraries"



A scientific seminar dedicated to the “Year of Solidarity for the Green World” had been held at the Faculty of Information and Document Management of BSU with the participation of professors, teaching staff, doctoral and master’s students. At the seminar, Associate Professor Nadir Ismayilov, Head of the Department of Document Management, had presented a report on “Green Libraries,” emphasizing the historical importance of President Ilham Aliyev’s decree declaring 2024 as the “Year of Solidarity for the Green World” and outlining the tasks ahead. The concept, mission, architecture, and functions of green libraries, their development stages worldwide, and the support of international organizations had been explained, highlighting the importance of environmental, economic, and social sustainability. The necessity of applying the green library model in the reconstruction of library infrastructure in Karabakh and Eastern Zangezur had also been stressed.





A collective agreement has been signed between BSU and the BSU Trade Union Committee (TUC)

Rector Elchin Babayev had stated that the agreement had been signed based on the pact between the Ministry of Science and Education and the Republican Committee of the Azerbaijan Trade Union of Education Workers. He had emphasized that the agreement would contribute to the development of mutual relations between BSU and the BSU Trade Union Committee on the principles of social partnership and noted that the University had always supported the Trade Union Committee. Later, Rashad Cabarov, Chairman of the BSU Trade Union Committee, had expressed confidence that the agreement would serve as an impetus for further cooperation, stressing that the TUC had always protected the social, legal, and moral interests of the University's staff.





Scientific seminar at BSU on Climate Change



A seminar on the "Prospects of the Framework Convention on Climate Change in Azerbaijan" had been held at the Faculty of Biology of BSU. Associate Professor Sevinj Khumbatova of the Department of Zoology and Physiology had provided information on the causes of climate change, noting that environmental issues such as carbon emissions, pollution, and global warming had threatened the health of the world's population in recent years. She had emphasized that the transition to a green economy, support for renewable energy initiatives, and education of local communities were important factors in addressing these challenges.

A flower-planting action at BSU



A flower-planting action dedicated to the "Year of Solidarity for the Green World" had been organized by the Student Trade Union Committee of BSU. Members of the Student Union Committee, the Student Youth Organization, BSU volunteers, and students from various faculties had participated in the action. Around 500 flowers had been planted during the campaign, which had aimed to support environmental protection, strengthen ecological education, and contribute to nature.

http://sdg.bsu.edu.az/

17 PARTNERSHIPS FOR THE GOALS













A scientific seminar entitled "Increasing the number of plant species resistant to environmental stress in Azerbaijan" was held at BSU



The Faculty of Biology of BSU had hosted a scientific seminar titled “Increasing the Number of Plant Species Resilient to Environmental Stress in Azerbaijan.” Associate Professor of Botany and Plant Physiology, Doctor of Biological Sciences Zulfiya Mammadova had delivered a presentation on the topic, highlighting that 2024 had been declared the “Year of Solidarity for the Sake of a Green World” in the country. She had noted that hosting the 29th Session of the Conference of the Parties to the UN Framework Convention on Climate Change (COP29) in November and prioritizing “Country of Clean Environment and Green Growth” as one of Azerbaijan’s five socio-economic development priorities until 2030 imposed significant responsibilities on biologists. During the seminar, detailed information had been provided on plant species resilient to environmental stress, and it had been recommended to plant evergreen trees and cultivate plants to restore a rich floristic composition in areas affected by environmental degradation during the Armenian occupation.





BSU Launches Academic Writing Support Program to Foster Student Success

BSU had launched its innovative Academic Writing Support Program to equip students with essential scholarly communication skills. This initiative had demonstrated the University's commitment to student success, academic excellence, and the development of research and communication capabilities. The program had been tailored to meet the diverse needs of students across all faculties and programs, providing individualized consultations, interactive workshops, training sessions, and both online and on-campus support, covering everything from structuring essays and research papers to mastering citation and referencing. Students had benefited from one-on-one sessions with experienced writing tutors, improved clarity and coherence in their academic writing, developed skills to organize complex ideas, and strengthened their understanding of academic integrity principles. The program had also enhanced students' preparedness for publishing research and pursuing postgraduate studies.



BSU employees participated in the Neftchala event dedicated to the International Day for Biodiversity



BSU employees had participated in a celebration of the International Day of Biodiversity on May 22 at the Kur-Experimental Sturgeon Farming Plant of Azerbaijan Fish Farm LLC, a subsidiary of LU-MUN HOLDING, located in Neftchala district. The event had been attended by Mirhasan Seyidov, Head of the Neftchala District Executive Authority, representatives from the Ministry of Agriculture, the UN Food and Agriculture Organization (FAO), and the diplomatic corps in Azerbaijan. BSU had been represented by Khumar Mammadbagirova, Adviser to the Rector on Youth Policy and Social Issues, Shabnam Safarova, Adviser on Digitalization and Information Technologies, and Jahan Ganizade, Director of the Protocol Sector. Following the event, participants had taken part in a ceremony releasing 50,000 sturgeon fish cultivated at the Kura Experimental Sturgeon Hatchery into the Caspian Sea to support environmental protection and restore marine biodiversity. Earlier that year, BSU had signed an agreement with LU-MUN HOLDING to strengthen cooperation in scientific and technical fields.









BSU Student Scientific Society's seminar series on the "Year of solidarity for a Green World" concludes

The series of seminars organized by the Student Scientific Society (TEC) of BSU as part of the "Year of Solidarity for the Green World" had concluded. During the final scientific seminar, students from the Faculties of Philology, Information and Document Management, Oriental Studies, International Relations and Economics, and History had presented their topics. Fidan Orujova, a student from the Faculty of International Relations and Economics, had highlighted that 2024 had been designated as the "Year of Solidarity for the Green World" in Azerbaijan, emphasizing the country's proactive role in combating global warming and the significance of hosting COP-29. Aynur Mammadova from the Faculty of History had delivered a presentation titled "Azerbaijani Carpets and Our Green World," discussing the ancient craft of dyeing and its role in carpet thread preparation. Nazrin Ibrahimova, a student of the Faculty of Oriental



Studies, had examined nature-related vocabulary in Eastern languages and analyzed nature-themed poetry by Nizami and Nasimi. Nabiba Mammadzadeh from the Faculty of Information and Document Management had presented on “The Year of Solidarity for the Sake of a Green World and the Goals of Libraries,” explaining the concept, mission, architecture, and functions of green libraries. Nigar Khanaliyeva from the Faculty of Philology had explored artistic descriptions of Azerbaijan’s natural beauty in poetry and prose in her presentation titled “Praise of Nature in Azerbaijani Literature.”





BSU colleagues participated in the Global Sustainable Development Congress

The Global Sustainable Development Congress, organized by the influential Times Higher Education (THE) agency, had taken place in Bangkok, Thailand. BSU had been represented at the Congress by Asiman Ilyasov, Rector’s Quality Assurance Advisor; Shabnam Safarova, Digitalization and Information Technology Advisor; Rauf Hasanov, Head of the International Relations Department; and Jahan Ganizade, Head of the Protocol Sector. BSU had been featured in the Azerbaijan pavilion alongside other prestigious higher education institutions. Over three days, more than 3,000 representatives and over 350 speakers had been expected to attend. The

Congress had also showcased the results of the THE Impact Rankings 2024, the only global ranking evaluating universities based on the Sustainable Development Goals and had included a live question-and-answer session exclusively for delegates.





Scientific seminar on Research of topological insulator and quantum materials with thermoelectric properties at BSU

A scientific seminar titled “Basic Approaches in the Design of Quantum Materials with Topological Insulator and Thermoelectric Properties and Research of Their Properties” had been held at BSU. Khatira Mehtiyeva, a specialist in the Research, Innovation, and Development sector of the Center of Excellence and a doctoral student in the Department of Chemical Physics of Nanomaterials at the Faculty of Physics, had provided extensive information on the significance of topological insulating and thermoelectric materials, discussed current strategies for improving their properties, and highlighted their applications. She had conducted six months of scientific research on this topic at the University of Calabria in Italy, shared her findings, and presented the project “Mineralogical Analysis of Rocks by X-ray Diffraction,” which aligned with the industrialization strategy of BSU.





BSU experience discussed at the Global Sustainable Development Congress

	The “Global Sustainable Development Congress,” organized by the “Times Higher Education” (THE) agency, had taken place in Bangkok, Thailand. The three-day event had gathered over 3,000 participants and more than 350 speakers. Asiman Ilyasov, the Rector’s Quality Assurance Advisor at BSU, had delivered a presentation on the university’s achievements and future goals, during which he had spoken about the activities carried out under the “Year of Solidarity for the Green World” initiative and had shared BSU’s successes in the “QS Sustainability Ranking 2024” and the “THE Impact Ranking 2024.”





Analysis of recent changes in the Caspian Sea level

Farda Imanov, professor at the Faculty of Geography of BSU, analyzed modern changes in the level of the Caspian Sea. The Caspian Sea—vital for regional biodiversity and economies—is facing significant challenges due to long-term water level fluctuations, which threaten oil and gas operations, fisheries, and maritime transport, while also disrupting fish habitats. Instrumental records from the 19th century show water levels ranging from –25.2 m to –29.0 m, with a fluctuation amplitude of 3.8 m. During the 20th century, three distinct low-level phases occurred: a stable level (~–26.3 m) from 1900–1929, a sharp decline by 3.2 m from 1930–1977 that drained up to 50,000 ha of coastal land, followed by a rapid rise of about 2.5 m. The recent decades have seen renewed decline, with levels dropping approximately 2 m between 1996 and 2023, primarily due to reduced river inflow (notably from the Volga—about 70% of total input) and intensified evaporation driven by rising temperatures, amplified by geological, hydrometeorological, and human-induced factors. Additionally, the destruction of a key dam to BSU Kara-Bogaz-Gol lagoon in 1992 altered the sea's hydrological balance. These trends underscore the urgency for coastal nations to develop adaptive strategies amid uncertain future dynamics.





Ankara University of Social Sciences in Turkey hosts seminar at BSU on implementing socio-village systems in universities



Representatives from Turkey's Ankara University of Social Sciences had conducted a two-day seminar at BSU, where BSU's Vice-Rector for Social Issues, Student Affairs, and Public Relations, Alish Aghamirzayev, had emphasized the strong cooperation between the two institutions in the social sciences. He noted that last year BSU and Ankara University of Social Sciences had signed a memorandum of understanding and collaborated within the "Erasmus+ K171" exchange program. The BSU delegation had also previously visited the Social Village at Ankara University to learn about its practices. During the seminar, Professor Erdal Akdeve and Professor Çetin Öndar from Ankara University had delivered presentations on the implementation of the socio-village system and ecosystem in universities, highlighting the importance of developing an innovation ecosystem and technology parks at BSU. Discussions had focused on strengthening staff capacity in innovation, supporting social innovation activities in education, and creating opportunities for students to develop their innovative ideas.





Awards presented to volunteers engaged in BSU social activities

	At BSU, volunteers who had actively participated in the university's social life were honored in a meeting with Vice-Rector for Social Issues, Student Affairs, and Public Relations, Alish Agamirzayev. He had emphasized that the volunteer movement was an important part of youth activity in various social fields across the country. Agamirzayev had highlighted the significant role of the "BSU Volunteers" organization in international and national events, social projects, and humanitarian initiatives. He had praised the contributions of volunteers within the university's faculties and structural departments, encouraged them to continue their efforts, and urged them to launch new initiatives.









Establishment of the ECOLEAD Clinic at BSU

At the meeting of the Scientific Council of BSU the importance of investigating illegal activities against environmental protection and preventing violations in this area had been emphasized, and the decision had been made to establish the ECOLEAD Clinic to strengthen knowledge sharing and operational functions. During a scientific-practical conference in Khankendi titled “The Role of Education and Law Enforcement in Strengthening the Environment,” an agreement on the ECOLEAD project had been signed among the Prosecutor General’s Office, the Ministry of Ecology and Natural Resources, and BSU. It had been noted that the platform would include key components such as “ECOLAB,” “Ecoclinic,” and “Cerima Park – Nature’s Revenge,” which would significantly contribute to addressing environmental challenges. The platform had aimed to promote cooperation among professionals in tackling post-conflict environmental issues, particularly in the Karabakh and Eastern Zangezur economic regions. The establishment of the ECOLEAD Clinic at BSU had been considered a crucial step for the effective implementation of tasks and the timely resolution of environmental problems, enabling swift identification, prevention, and mitigation of environmental violations.



BSU Volunteers Join Go Camp Picnic Project

Members of the “BSU Volunteers” organization from BSU had participated in the “Go Camp” picnic project in Khizi, supported by the Ministry of Ecology and Natural Resources and the Youth Fund, and organized by the Union of Azerbaijan Voluntary Organizations. The project’s goal had been to foster unity and strengthen networking among volunteers, and participants had enjoyed a hiking trip and various interactive games in the Altyaghach National Park area of Khizi.









8th International Conference on Sustainable Management (ICSM) Held in Hybrid Format in Bangkok, Thailand

The 8th International Conference on Sustainable Management (ICSM), held in hybrid format at Krirk University in Bangkok, Thailand, had successfully concluded, bringing together thought leaders, industry experts, and researchers from across the globe. Associate Professor Rauf Hasanov, Head of the International Relations Office at BSU, had delivered a presentation titled “The Impact of Higher Education and Partnerships in Promoting Sustainable Development: BSU Case” in which he had shared BSU’s initiatives related to the SDGs. He had highlighted university-business partnerships, research projects addressing global sustainability challenges, integration of sustainability into the curriculum, and green campus initiatives. Associate Professor Hasanov had emphasized that BSU was committed to embedding sustainable development across research, teaching, partnerships, and university initiatives, noting that collaboration with industry and stakeholders could significantly contribute to achieving the SDGs.



Astronomical Observation Days at BSU



At BSU, the “Sky Observation Festival 2024” (SOF 2024) had started with astronomical observation days, financially supported by the Youth Foundation of the Republic of Azerbaijan. On the first day, an initial round of the “Astronomy Quiz” competition had been held, where six teams answered 10 questions, and the top five teams with the highest scores advanced to the next stage. Afterwards, students had received technical training on telescope use and had observed the Sun and solar spots at BSU’s Student Scientific and Technical Creativity Center.











BDU Team wins 3rd place at Enactus Azerbaijan National Competition



On August 16, the final stage of the Enactus Azerbaijan National Competition had taken place, where the BSU Enactus team had presented their "AgroX" project. Competing in the second league, the team had scored high and secured 3rd place in the final stage. A total of 24 teams had participated in the competition, with 3 of them showing outstanding results in the finals. It had been noted that ENACTUS, founded in 1975 by universities in the USA, was an international organization that united students, academics, and business leaders to build a better and more sustainable world through the positive power of entrepreneurship.









Cooperation opportunities between the Ministry of Agriculture and BSU discussed



The Minister of Agriculture, Mecnun Memmedov, had met with the Rector of BSU, Elchin Babayev, where the possibilities of cooperation between the Ministry and the university had been discussed. The Minister had provided detailed information about the main directions of the agrarian development strategy, state support, the Ministry's activities, and innovative projects, emphasizing that the intensive development of agriculture depended on professional personnel and that there was a growing need for specialists capable of effectively using modern technologies. He had highlighted the importance of cooperation with BSU in this regard. Rector Elchin Babayev had spoken about the university's material and technical base, training of specialists for the labor market, their skill development, and scientific research, stressing that one of the main goals was to prepare highly qualified, competitive specialists with innovative research skills. The meeting had also discussed strengthening human resources, research, and production-related cooperation, and both sides had expressed confidence that collaboration in education and research would significantly contribute to the development of the agrarian sector.







The first training of the “SMART AGRO TECHNOLOGY” project has been held at BSU

	The “Smart Agro Technology” project, funded by the Youth Foundation of the Republic of Azerbaijan and implemented at BSU, had commenced. Project leader Sara Rahimzade had introduced the young participants who had earned the right to attend the training through the selection rounds. Dean of the Faculty of Physics, Bakhtiyar Pashayev, had emphasized the importance of applying technological innovations in the agrarian sector and had noted that recent discussions between BSU and the Ministry of Agriculture also served this purpose, encouraging youth to actively engage in such projects. Deputy Dean Vusal Mammadov had highlighted the role of these projects in enhancing the intellectual potential of young people and stressed the administration’s support. Project trainer Orkhan Gulehmadov had provided detailed information about modern agricultural innovations, smart irrigation systems, teamwork principles, technological preparation, and future prospects, before answering participants’ questions and assigning practical tasks. Each team had successfully completed the given tasks.





With the co-organization of BSU, the II International Conference on "Conservation of Eurasian Biodiversity" was held in Izmir

In Izmir, Turkey, Ege University, BSU, Andijan State University of Uzbekistan, and Osh State University of Kyrgyzstan had jointly organized the II International Conference on “Conservation of Eurasian Biodiversity.” The conference had focused on discussing current issues and solutions related to Eurasian biodiversity conservation, featuring a total of 110 presentations from four countries. Professor Afet Mammadova, Dean of the Faculty of Biology at BSU, had been a key invited speaker and had presented on the topic “Bioindication and Management of the Environment Using Plants.” In addition to BSU, 23 scholars from other educational and research institutions in Azerbaijan had also participated. The conference had included presentations on biodiversity conservation, photosynthetic organisms, fungi, bacteria, and aquatic ecosystem monitoring, while discussions had covered genetic biodiversity issues, new approaches to developing virus resistance in plants, the protection of invertebrates in Eurasia, anthropogenic impacts on ecosystems, plant responses to climate change, and strategies for the conservation of rare plant species.



Members of BSU's Student Trade Union Committee (STUC) at the summer school on the topic "Healthy person and sustainable future"



The leadership and members of the Student Trade Union Committee (STUC) of BSU had participated in a summer school on the theme "Healthy Person and Sustainable Future," organized by the Republic Committee of the Azerbaijan Education Workers' Free Trade Union. The event had taken place at the "Education" Recreation Center in the Nabran settlement of the Khachmaz region, with 120 students from higher education institutions, STUC chairs, and media representatives attending. During the summer school, a conference on the same theme had been held, facilitating a broad exchange of ideas between the Republic Committee's leadership and the students. In addition, various sports competitions and intellectual games had been organized to ensure the effective use of students' leisure time.









Flower planting campaign at BSU

A flower planting campaign dedicated to Knowledge Day was organized by the Student Trade Union Committee (STUC) of BSU. Participants in the campaign included the STUC, "BSU Volunteers," members of the Student Youth Organization, and students from various faculties. The aim of the campaign was to help protect the environment, enhance ecological education, and contribute to nature.







BSU Hosts Grand Freshman Orientation Event

	BSU organized a spectacular Freshman Day Orientation for its new students. The event began with an inspiring speech by the rector, highlighting the values of academic excellence, innovation, and community. Students engaged in interactive workshops on campus resources, study tips, and extracurricular opportunities, joined guided campus tours, and participated in networking sessions with faculty and peers. One of the main highlights was the Q&A panel, where current students and alumni shared their experiences. The day concluded with a cultural performance celebrating diversity, leaving students informed, motivated, and ready for university life.

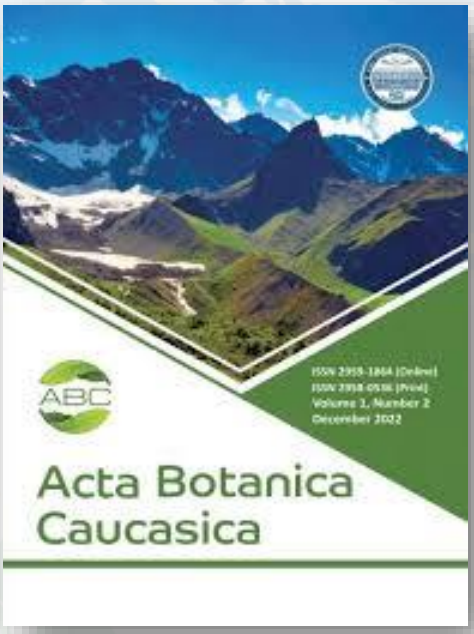
The "Acta Botanica Caucasica" journal of BSU has been included in another prestigious database

The “Acta Botanica Caucasica” journal of BSU recently achieved notable international recognition. It successfully passed evaluation and was indexed in the “ICI Journals Master List” and the international “AGRIS” database, and was also included in the list of recommended scientific publications in biology and agricultural sciences by the Higher Attestation Commission of Azerbaijan. Publishing four issues annually, the journal assigned DOIs to all articles, improved its electronic website in both structure and content, and expanded its archive database. Covering various fields of fundamental and applied botany with original research and innovations, the journal continued efforts to be included in other prestigious databases. The editor-in-chief was Professor Elshad Gurbanov, Doctor

of Biological Sciences and corresponding member of the Azerbaijan National Academy of Sciences.

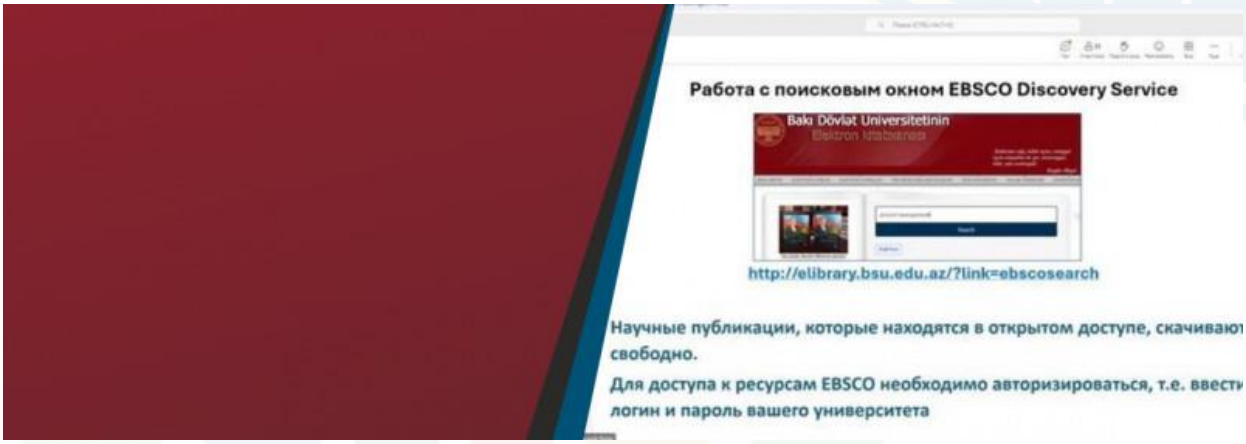






A webinar on the usage rules of the EBSCO Discovery Service system has been conducted at BSU

The Scientific Library of BSU, in cooperation with the Azerbaijan Library Information Consortium (Az.KIC), held a webinar on “Usage Rules of the EBSCO Discovery Service System.” The event was attended by more than 40 staff members from the BSU Scientific Library and the libraries of 12 higher education institutions in the country. EBSCOHost representatives Alexander Rutau and Kristina Rudak acted as moderators. The webinar discussed the global scientific resources offered by the system, its search capabilities, and effective application methods in libraries, demonstrated access procedures through the BSU interface with examples, and taught participants how to use full-text resources in guest login mode.



BSU students participated in a tree-planting campaign within the framework of the "ECOLEAD" project

Within the framework of the “ECOLEAD” project jointly implemented by the Prosecutor General’s Office, the Ministry of Ecology and Natural Resources, and BSU, a tree-planting campaign dedicated to the “Year of Solidarity for a Green World” was organized. The event was attended by representatives and employees of the mentioned institutions, as well as BSU students, and trees suitable for the soil and climatic conditions of the Absheron Peninsula were planted along Abbas Mirza Sharifzade Street in the Yasamal district. During the campaign, the importance of preventing environmental violations, raising public awareness, and restoring greenery was emphasized. The foundation of the project was laid through a Memorandum of Understanding signed in the city of Khankendi among the Prosecutor General’s Office, the Ministry, and BSU, and later Nakhchivan State University also joined the memorandum.





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







The Baku Climate Action Week (BCAW), held from September 30 to October 4 as a preparatory event for COP-29, created an important platform for engaging the public in climate change action. On October 4, 2024, a scientific conference titled “Accelerating Research and Collaboration for Climate Action” was organized by BSU at the JW Marriott hotel. The conference discussed the scientific and practical aspects of climate change, including the role of artificial intelligence and analytical tools, the impact on transboundary water resource management, international cooperation mechanisms, the use of empirical data and innovative solutions, as well as the socio-economic effects of climate change. This comprehensive program became a significant step in preparing for COP-29 and expanded opportunities for global collaboration in climate action.

Parliament Model Simulation on the Topic of Sustainable Development Goals at BSU



The “BSU Volunteers” organization at BSU held a Parliament Model Simulation on the theme of “Sustainable Development Goals.” During the event, students discussed various political issues, analyzed pathways to achieving the Sustainable Development Goals, and identified their relevance to the country’s current realities. Proposals were made on eliminating landmine threats through collective efforts, and a legislative initiative covering the Sustainable Development Goals was adopted. The event concluded with a performance by the “Lin-orph” music club. The Parliament Model Simulation served as a non-formal educational tool that enhanced students’ understanding of parliamentary mechanisms and philosophy while developing their analytical thinking and debating skills.





An international scientific conference has been held organized by BSU as part of Baku Climate Action Week



An international scientific conference titled "Accelerating Research and Collaboration for Climate Action" was held by BSU as part of the Baku Climate Action Week. The conference addressed the scientific and practical aspects of climate change, including the role of artificial intelligence and analytical tools, the impact on transboundary water resource management, international cooperation mechanisms, the collection and use of empirical data, innovative technologies, and socio-economic impacts. In his opening speech, BSU Rector Elchin Babayev emphasized the importance of the event in preparing for COP29, while other officials highlighted Azerbaijan's global leadership in climate policy and the critical role of education and science. The conference continued with scientific sessions, practical proposals, and discussions stressing the necessity of strengthening international cooperation to effectively combat climate change.







A scientific conference is being held organized by BSU as part of Baku Climate Action Week

An international scientific conference on “Accelerating Research and Collaboration for Climate Action” was held by BSU as part of Baku Climate Action Week. The conference addressed the scientific and practical aspects of climate change, the role of empirical data, artificial intelligence, and advanced analytical tools, the impact on transboundary water resource management, new approaches and international cooperation mechanisms, as well as the synergy of joint initiatives at the global and regional levels. Discussions included the collection and use of empirical data, the application of artificial intelligence in climate modeling, analytical processing of large datasets, and decision-making based on real-time data, along with innovative solutions such as carbon capture and storage technologies, renewable energy applications, energy efficiency, and waste reduction. The conference also examined the socio-economic impacts of climate change on economic growth, poverty, migration, food security, and employment, as well as the economic and legal measures governments should adopt and the formulation and implementation of relevant policies. This comprehensive program expanded opportunities for experience, research, and collaboration in the global fight against climate change and represented a significant step in preparation for COP-29.



An event titled: "Space and climate change" has been held at BSU

	An event titled “Space and Climate Change” was held at BSU as part of “World Space Week 2024.” The event aimed to highlight the global significance of climate change and the role of space research in this field. During the event, Azercosmos employee Nazrin Gojayeva led a practical workshop on the Climate Report announced by the organization, explaining how space technologies are used to monitor climate change and emphasizing the importance of real-time data for climate science. In the main part of the seminar, students participated in practical tasks related to climate science and space technologies, were presented with examples of climate change derived from space data and engaged in group discussions to understand the role of space in combating climate change. Participants were also informed about projects where scientific research is practically applied.



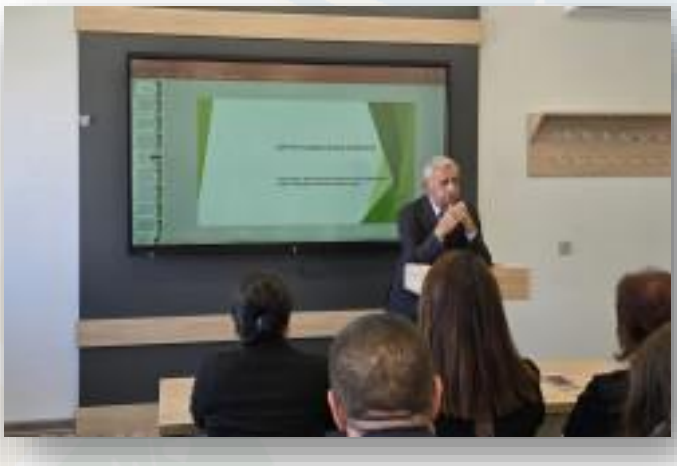


Event on "COP29 and global climate change" at BSU



An event titled “COP29 and Global Climate Change” was held at the Faculty of Social Sciences and Psychology of BSU. The Dean of the Faculty, Associate Professor Rovshan Javadov, spoke about the international significance of declaring 2024 as the “Year of Solidarity for a Green World” and Azerbaijan’s hosting of the 29th session of the Conference of the Parties (COP29) to the UN Framework Convention on Climate Change, emphasizing that hosting such an important event demonstrated the country’s leading role in global ecological policy and the fight against climate change. The Deputy Dean for Social Affairs, Nazakat Karimova, and the Head of the Department of Social Work, Uzeyir Shafiyev, discussed global environmental issues, the causes of climate change, and efforts in Azerbaijan to mitigate these problems. They noted that nearly 20% of Azerbaijan’s territory had suffered ecocide due to Armenia’s occupation, and that significant projects and investments were being implemented in the liberated territories to restore ecological balance, develop a green economy, and advance green energy initiatives.





"A Step Against HIV" Event Held at BSU

	An event titled “A Step Against HIV” was organized by the Faculty of Biology at BSU in collaboration with the Republic HIV Prevention Center of the Ministry of Health. At the beginning of the event, the center’s infectious disease specialist, Emiliya Shahbazova, provided information on the measures taken in the country to combat AIDS/HIV infections and informed students about the modes of transmission. She emphasized the importance of educational efforts to achieve more effective results in combating drug addiction and other harmful habits, protecting young people from this social threat, fostering interest in a healthy lifestyle, and promoting national and spiritual values. She also explained the methods of prevention, examination, and treatment of the disease. Afterwards, brochures and booklets related to HIV were distributed to students, and staff from the Republic HIV Prevention Center conducted free screenings.





BSU Volunteers held a training session on SDG at the College of Economics and Humanities under BSU.

The BSU Volunteers Organization held a training session on the Sustainable Development Goals at the College of Economics and Humanities under BSU, specifically for students from the Faculty of International Relations and Economics. During the training, Qasim Khalilov, head of the BSU Volunteers for the faculty, discussed the importance of environmental and climate framework conferences, the role of Sustainable Development Goals, and the significance of COP29 held in Azerbaijan. Following this, Qasim Khalilov and Fidan Kerimli, as trainers, provided detailed information on the goals. At the end of the training, students were divided into groups and worked on interactive group tasks, presenting solutions to various problems using the SDGs. The participating students expressed their support under the slogan “Join for Sustainable Development!” and were awarded certificates.





New Unique Project – "Eco Space" at the University



BSU has recently expanded its scientific research efforts in environmental protection and climate change mitigation, implementing projects in "green economy" initiatives for students and youth. BSU became a member of the Association for the Advancement of Sustainability in Higher Education (AASHE) and continued its work through its Ecology and Soil Science Faculty, the Ecological Chemistry and Environmental Protection Research Laboratory, and the ECOLEAD Clinic. Students worked on projects in "green energy" and "green technologies" and presented them at international events, with the "ESST-6" team winning third place at the "TEKNOFEST-2024" festival for their smart irrigation technology project. As part of COP29, BSU launched the "Eco Space" project, officially opened on November 14, providing students and researchers with opportunities for environmental protection knowledge, interactive seminars, and practical workshops. The opening ceremony was attended by National Assembly deputies, committee chairs, ministry and academic representatives, as well as foreign guests and company delegates. Rector Elchin Babayev noted that "Eco Space" was equipped with modern technologies such as an aquaponics system, a bioreactor, solar panels, and an air quality monitoring system, intended for students, master's, and doctoral students, and implemented through public-private partnership. The project taught students how to produce "green food" and "green energy" while



providing a platform for ecological awareness and research programs. “Eco Space” contributed to the UN Sustainable Development Goals, increased ecological sustainability in urban areas, and expanded youth knowledge and experience in environmental matters. The project was open to BSU students, other university and school students, and supported ecological awareness campaigns and international youth cooperation.







BSU Students successfully participate as Volunteers in COP29



Nearly 200 students from BSU participated as volunteers in the 29th session of the Conference of the Parties to the United Nations Framework Convention on Climate Change (COP29). Holding COP29 in Azerbaijan served as an important platform for young activists to contribute to global climate policy, and the active involvement of students not only exemplified national pride but also provided strong support for environmental policies. BSU students promoted environmental protection and the rational use of natural resources, assisted delegations, and contributed to the success of the conference.

The presentation ceremony of the Azerbaijani version of the "Climate Change Guide for Legislators" has been held

A presentation ceremony for the Azerbaijani version of the "Climate Change Guide for Legislators" was held at ADA University. The guide, first published in October by the "Peers for the Planet" group and the University of Exeter, was translated into Azerbaijani by GLOBE International and presented within the framework of COP29. The event was attended by BSU Rector Elchin Babayev, National Assembly Deputy and GLOBE Parliament Champion for COP29 Fariz Ismayilzadeh, GLOBE International President Malini Mehra, and Deputy Vice Chancellor of the University of Exeter, Stuart Brockhurst. In his speech, Rector Babayev emphasized that climate

change is one of the greatest challenges facing the world and requires solidarity among nations. He highlighted Azerbaijan's active participation in this global struggle due to the government's purposeful policies and initiatives, noting that the declaration of 2024 as the "Year of Solidarity for a Green World" further demonstrated the state's commitment. The guide provided parliamentarians and stakeholders with scientific information on the causes, consequences, and solutions to climate change, supporting legislative and policy decisions. The event also featured virtual participation from Baroness Helen Hayman, Chair of the UK Parliament's "Peers for the Planet" group, and Lisa Roberts, President of the University of Exeter. The ceremony strengthened connections with COP29 participants and other VIPs, enhancing cooperation in climate change efforts and the application of COP29 outcomes.



The project "Green dialogue: Innovation and international cooperation platform" has started in collaboration with BSU

The "Green Dialogue: Innovation and International Cooperation Platform" project was launched to address ecological problems and support sustainable development in collaboration with the State Support Agency for Non-Governmental Organizations of the Republic of Azerbaijan, BSU, the Public Union for the Progress of Karabakh, and the African Youth Development Foundation within the framework of the COP29 international conference. As part of the project, a discussion panel was held on November 16 in the Green Zone of COP29, moderated by Shabnam Safarova, Advisor on Digitalization and Information Technologies to the Rector of BSU and Chairwoman of the Public Union for the Progress of Karabakh. Participants included Professor Tunji Asaolu, Vice President of the African School of Diplomacy and International Relations and Head of the African Youth Development Foundation, Vonda Grobeller, Expert on Quality Assurance in Higher Education, Orkhan Shirinzada, CEO of E&O Global Inc. in the USA, and Emil Qasimov, Researcher in Geology and Environmental Sciences at St. Petersburg Mining University. During the panel, topics such as "The Importance of Sustainable Development," "Climate Education for Future Generations," "Assessment of Management Efficiency in Methane (CBM) Production from Gas Fields and CO_2 Capture," and "Green Logistics: Overcoming Investment and Implementation Barriers" were discussed. The main goal of the project was to strengthen social awareness and

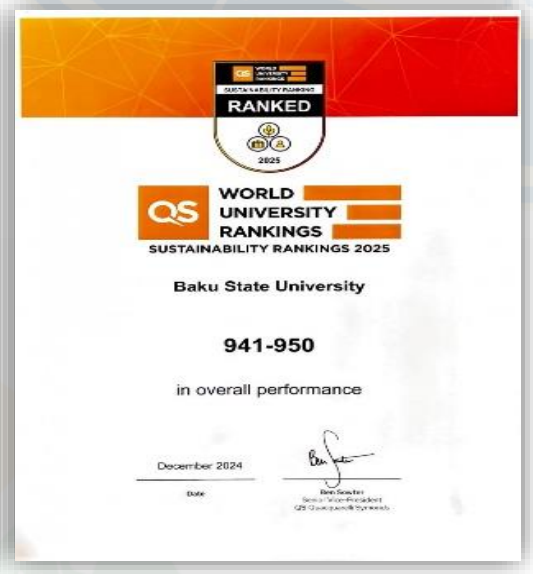


international cooperation in addressing ecological issues such as water scarcity, soil salinization, and the reduction of forest resources. As part of the project, the "Green Dialogue Forum" was established to organize an annual forum bringing together government representatives, private sector experts, and members of the academic community.

BSU is ranked first in Azerbaijan according to the "QS Sustainability Ranking 2025" results!

	On November 18, in Baku, within the framework of COP29, the official results of the “QS World University Rankings: Sustainability 2025” were announced by "QS Quacquarelli Symonds," one of the most prestigious ranking organizations in the world. According to the results, BSU achieved great success, rising to a leading position in Azerbaijan. Congratulations to all BSU staff and students! It is worth noting that BSU advanced more than 345 places compared to last year’s results in the “QS Sustainability Ranking 2025,” settling in the 941–950 range and becoming the only higher education institution in Azerbaijan to be included in the TOP-1000. This ranking identifies the best universities worldwide distinguished for their activities in the field of sustainable development.





Discussion panel of the "Green Dialogue: Innovation and International Cooperation Platform" project

As part of COP29, the next discussion panel of the “Green Dialogue: Innovation and International Cooperation Platform” project, aimed at addressing environmental problems and supporting sustainable development, was organized jointly by the State Support Agency for Non-Governmental Organizations of the Republic of Azerbaijan, BSU, the Public Union for the Development of Karabakh, and the African Youth Development Fund. The panel, moderated by Sanan Ağayev, a representative of the Public Union for the Development of Karabakh, was held in the Green Zone of COP29 and included participants such as Professor Tunji Asaolu, Vice President of the African School of Diplomacy and International Relations and Head of the African Youth Development Fund, Asiman İlyasov, Advisor to the Rector of BSU on Quality Assurance, and Liya Bayramova, Executive Director of GEM CRS. During the panel, Professor Tunji Asaolu delivered a presentation on “Building a Sustainable Future: Key Focus Areas,” Liya Bayramova spoke on “Climate Education and Awareness for Children,” and Asiman İlyasov discussed the “Importance of Quality Assurance and Rankings for Sustainable Development Goals in Higher Education.” The main objective of the project was to strengthen social awareness and international cooperation in addressing ecological problems such as water scarcity, soil salinization, and the reduction of forest resources. Within the framework of the project, the “Green Dialogue Forum” was established to hold an annual forum bringing together government representatives, private sector experts, and members of the academic community.





BSU has been represented in the Blue Zone of COP29 with the "CLEAN-CHARGE" project, which is the winner of the 5th Grant Competition of the SME Development Agency

Ilyas Nasibov, Director of the Student Scientific and Technical Creativity Center at BSU, represented the “Clean-Charge – 22 kWh AC Fast Charging Station” project, winner of the 5th Grant Competition organized by the Small and Medium Business Development Agency, at the “Business, Investment, and Philanthropy Climate Platform” held in the Blue Zone of COP29. The event focused on accelerating climate solutions supporting sustainable development, multilateral strategies for climate and nature, and investing in the future of the planet and the environment. Discussions emphasized reducing carbon dioxide emissions during the production of electricity used by electric vehicles and the importance of using clean energy in

this process. The main goal of the “Clean-Charge” project was to ensure fast charging of electric vehicles through “green energy,” even in locations without an electrical source. The charging station was designed to provide fast charging at home, in cities, on intercity roads, and in areas without electricity, offering an accessible, safe, and environmentally and economically friendly solution for drivers. The “Clean-Charge – 22 kWh AC” fast charging station was planned to be installed at BSU’s car park in December, using solar and wind energy, featuring three GBT and CCS2 standard ports for electric vehicles from China, Europe, and the USA, as well as two ports for electric bicycles and scooters. Charging electric vehicles and bicycles with “Clean-Charge” was provided free of charge for BSU faculty and students.





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



Within the framework of COP29, the event titled “SDGs and Universities: International Cooperation Experience,” organized by BSU and the “EcoSphere” Social-Ecological Center, was held in the Green Zone. The moderator of the event, Shabnam Safarova, advisor to the BSU rector on digitalization and information technologies, emphasized that the SDGs, defined by the UN in 2015, were a universal call to address global challenges such as poverty, inequality, climate change, and quality education, and noted that universities played a crucial role in implementing these goals through education, research, and collaboration. The speakers – Asiman Ilyasov, BSU rector’s advisor on quality assurance; Fariz Quliyev, 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 Qanira Mammadzada, head of the Strategic Planning Department at the Azerbaijan University of Architecture and Construction – highlighted that higher education institutions functioned as centers of innovation and knowledge, serving as catalysts for the SDGs. They noted that courses on sustainable development, climate action, and global health equipped students with the knowledge and skills to solve real-world problems, and that cross-border collaboration was essential for achieving the SDGs. Universities engaged in international cooperation, shared experiences, conducted joint research, and developed large-scale solutions; exchange programs allowed students and faculty to

gain diverse perspectives, and collaborative research initiatives addressed issues such as renewable energy and public health. All these networks of cooperation contributed to the advancement of the SDGs, and through international collaboration, universities promoted innovation and prepared future leaders to build a sustainable and just world. BSU Rector Elchin Babayev, in his speech, noted the impact of the SDGs on the activities of universities, congratulated universities on their achievements in international rankings, and stated that these successes were the result of higher education institutions aligning their activities with the goals of sustainable development in recent years.





A Republican Scientific Conference on the topic "Modern Problems of Ecological Chemistry and Environmental Protection" is being held at BSU

A Republican Scientific Conference on “Modern Problems of Ecological Chemistry and Environmental Protection” was held at BSU to celebrate the university’s 105th anniversary and the 20th anniversary of the Department of Ecological Chemistry. The conference began with the National Anthem, followed by a one-minute silence in memory of National Leader Heydar Aliyev and the martyrs who sacrificed their lives for the freedom of Azerbaijan. In his opening speech, BSU Rector Elchin Babayev stated that Azerbaijan actively participated in global energy security, combating the climate crisis, and developing strategic mechanisms for transitioning to a “green economy,” noting that “Clean Environment and a Green Growth Country” was one of the key priorities in the “Azerbaijan 2030: National Priorities for Socio-Economic Development.” He emphasized that BSU had expanded its research on environmental protection and climate change, implementing projects to increase ecological awareness and responsibility, and highlighted the university’s Ecology and Soil Science Faculty and the Scientific Research Laboratory on Ecological Chemistry and Environmental Protection. In 2024, the ECOLEAD Clinic was established in cooperation with the Prosecutor General’s Office, while students worked on projects in “green energy” and “green technologies,” and the opening of “Eko Mekan” provided innovative methods for teaching students about “green energy,” “green food” production, and creating a “green atmosphere.” The rector noted that the Department of Ecological Chemistry, founded in 2004 by academician Rafiga Aliyeva and led by Professor Sevinj Hajiyeva, had played a significant role in ecological and chemical studies of Karabakh, Eastern Zangezur, Absheron lakes, and the Kura River. Dean Akif Aghababali presented the history of the department, new specialties, and doctoral programs, while Professor Sevinj Hajiyeva discussed

the department's international relations, scientific activities, and training achievements. Academicians Irada Huseynova, Vagif Farzaliyev, Islam Mustafayev, and Vagif Abbasov congratulated the department on its anniversary and wished success in environmental protection, ecological education, and "green education" initiatives in Azerbaijan.



BSU Volunteers have been awarded

With the support of the Youth Foundation, organized by the Azerbaijan Volunteer Organizations Alliance and in partnership with the Ministry of Ecology and Natural Resources, the Ministry of Youth and Sports, "ASAN Service," and the IDEA Public Union, the "VII Solidarity Forum of Azerbaijani Volunteers" dedicated to the "Year of Solidarity for a Green World" was held in 2024. Within the framework of the

forum, Ismail Zeynalov, Vice President of the "BSU Volunteers" organization, was awarded the title of “Volunteer of the Year” in the “Volunteering in State Institutions” nomination. For their outstanding contributions to volunteer activities in 2024, Rustam Aliyev, Vice President of "BSU Volunteers," and Mirhuseyn Taghıyev, the organization’s Manager of Club Activities, were also awarded diplomas.



BSU has been selected as a full member of the Global University Network for Innovation

BSU was selected as a full member of the Global University Network for Innovation (GUNI). GUNI was established in 1999 to oversee agreements made following the UNESCO World Conference on Higher Education and to serve as an expert organization in university policy and management. The international network, which brought together 364 universities from 100 countries, included not only higher

education institutions but also UNESCO chairs and research centers. Membership in GUNI provided Baku State University with broader opportunities for the implementation of innovative developments.



CERTIFICATE OF MEMBERSHIP

The Global University Network for Innovation (GUNi) CERTIFIES that the

Baku State University

is member of GUNi, since its application was approved on Desember 10, 2024

And I hereby deliver the same:

Josep Maria Vilalta
Director
GUNi Secretariat

GLOBAL UNIVERSITY NETWORK FOR INNOVATION

Training at BSU Scientific Library: "Scientific Research: From Topic Formation to Publication"

A training titled “Scientific Research: From Topic Formation to Publication” was held at the Scientific Library of BSU. The training was organized within the framework of the “Development of Research Potential through the Network of Institutional Repositories in Azerbaijan” project, coordinated by Khazar University and funded by the European Commission, with more than 20 employees participating. The Director of the BSU Scientific Library, Nigar Ismailova, delivered a presentation on “Planning Scientific Research and Information Provision,” covering topic selection, criteria for evaluating its relevance, application of research methods according to research objectives, analysis of existing information resources,

and literature selection, while emphasizing the role of libraries in providing scientific information and sharing updates on innovations. Jamila Yusifova, Head of the Methodological Work and Cooperation Department of the Scientific Library and the national coordinator for EIFL.net in Azerbaijan, gave a presentation on “Search in International Scientific Platforms and Journal Selection in Publications,” highlighting access to copyrighted resources, support for publishing in open-access journals, submission of high-quality indexed articles to open-access repositories, and the importance of Open Access and Open Science in expanding international research collaboration. At the end of the training, participants were informed about the new user interface of the “EBSCOhost” platform, the use of electronic resources from the international publisher “Taylor & Francis,” and their questions were answered.



The Final Meeting of the Project "Return Mission: Youth Solidarity and Cooperation Initiatives" at BSU

	The final meeting of the project “Return Mission: Youth Solidarity and Cooperation Initiatives” was held at BSU. The meeting was organized with the financial support of the Ministry of Youth and Sports of the Republic of Azerbaijan and as a joint initiative of the Return and Revival Youth Organization and the BSU Student Youth Organization. The event began with a one-minute silence in memory of the National Leader Heydar Aliyev and the martyrs who sacrificed their lives for the liberation of our lands. Vugar Qadirov, Chairman of the Return and Revival Youth Organization and project coordinator, spoke about the essence of the project, noting that such initiatives played an important role in the successful implementation of state youth policy, in raising the younger generation with a sense of patriotism, in better understanding the realities of the new era, and in properly representing the country’s interests on various platforms. Shahin Qadirov, a participant in the First Karabakh War, poet, and psychologist, spoke about the large-scale reconstruction carried out in Karabakh and Eastern Zangazur following the glorious victory of our Armed Forces under Supreme Commander-in-Chief Ilham Aliyev, and noted that the “Great Return” State Program facilitated the gradual return of former internally displaced persons to their ancestral lands. He emphasized that one of the main goals of the project was to encourage young people, who were born and raised outside their homeland for nearly 30 years, to return to the liberated territories.



An International Conference on "Advanced Materials for Solving Biomedical and Ecological Problems" is being held under the organization of BSU and ICESCO

An international conference on “Advanced Materials for Solving Biomedical and Ecological Problems” and the opening ceremony of the “I BSU School on Green and Sustainable Science and Education” were held at BSU, organized in partnership with the Islamic World Educational, Scientific and Cultural Organization (ICESCO) within the framework of BSU’s 105th anniversary and the “Year of



Solidarity for a Green World." The ceremony began with the national anthem and a tribute to National Leader Heydar Aliyev and the martyrs. In his speech, Rector Elchin Babayev emphasized BSU's 105-year history, leadership in scientific research, modern laboratories, and the importance of cooperation with ICESCO, noting the achievements of the Biomedical Materials Department in medical and ecological research. He outlined future plans for joint research, student training, publications, and networking of regional centers. Scholars from Turkey, Kazakhstan, and Bulgaria highlighted the role of biomedical research in addressing ecological challenges, climate change, and fostering international cooperation, particularly for young researchers. In the plenary session, Yusuf Baran presented on "Drug Resistance in Cancer," while Professor Ulviyya Hasanova delivered a talk on "The ICESCO Biomedical Materials Department: Science and Research Based on International Cooperation."

A "Youth to Business Forum" has been held at BSU

A "Youth to Business Forum" dedicated to the SDGs was held at BSU in collaboration with BSU and the AIESEC Youth Organization, supported by the "BSU Volunteers" organization. During the event, Ramin Samadov, Head of the Department of Humanitarian Issues and Youth Policy at BSU, expressed his pleasure that such an important forum was held at the university and emphasized that the initiative would significantly contribute to the development of young people, broaden their worldview, and help them become successful professionals in the future. Throughout the forum, various presentations were delivered: Eldar Cabrayilov shared insights on personal budget management and investment strategies, while Asif Ibrahimov offered recommendations on starting a business and

making investments. In the second half of the forum, Alya Abbaszadeh and Shahmar Hasanov shared their experiences with participants on efficient investment management and practical ways to start a business. Aqil Zakharyev presented “The Agile Project,” introducing young people to new opportunities for implementing startup ideas. Elchin Babazadeh delivered a presentation on “Stock Trading and Investment in Financial Markets,” teaching participants how financial markets operate and how to make sound investment decisions. AIESEC representative Aydan Mikayilova discussed gaining international experience, volunteering, and professional development opportunities, while Masud Alisoy, in his presentation on “Financing Startups,” explained various financing methods and solutions to related challenges. The forum concluded with a panel discussion on “Investment Culture, Financial Literacy, and the Role of Youth” for the participants.





Opening Ceremony of the "I BSU School on Green and Sustainable Science and Education"

	An opening ceremony for the “I BSU School on Green and Sustainable Science and Education” was held at BSU. The event was organized jointly by BSU, the Islamic World Educational, Scientific and Cultural Organization (ICESCO), and the “Erasmus+ Jean Monnet Module” project, and was dedicated to the 105th anniversary of BSU and the “Year of Solidarity for a Green World.” The “I BSU School on Green and Sustainable Science and Education” aimed to explore the potential of green skills and innovative technologies in achieving the SDGs. The event was organized by leading scientists and education experts from BSU and international organizations, providing an inclusive platform for knowledge exchange and collaboration. The main topics of the event included nanotechnology, sustainable agriculture, drug design, and ecological safety.



CONCLUSION

This report highlights the activities and achievements of BSU within the framework of SDG 17: Partnership for the Goals. In alignment with national priorities and international initiatives, BSU has collaborated with government institutions, international organizations, NGOs, and the private sector to contribute to the realization of the SDGs. The university's recent projects, participation in global programs, and notable successes demonstrate its role as a significant platform for partnerships under SDG 17. The key findings presented below provide an overview of these efforts:

BSU actively participates in international partnerships and strengthens collaborations in line with the SDGs

The university implements joint projects with local and international organizations in scientific, educational, and environmental fields.

BSU's position in global rankings has improved, reflecting its achievements in international cooperation.

Public events, seminars, and projects are used to promote the ideas of sustainable development.

Future Goals



BSU is committed to further expanding its partnership activities and strengthening its contribution to the SDGs. In the coming years, the university's strategic objectives include enhancing scientific research, broadening international cooperation networks, and ensuring the sustainability of ecological and social initiatives. At the same time, BSU aims to increase student and young researchers' engagement in global platforms, foster the implementation of innovative projects, and consolidate its position as a leading institution in the global academic and scientific community.

- Expand commercialization and industrial application of research outcomes.
- Increase participation in international databases and promote open data sharing for SDGs
- Support new startups and innovation projects in ecology and the green economy.
- Enhance international student exchange and internship opportunities.

http://sdg.bsu.edu.az/

17 PARTNERSHIPS FOR THE GOALS

- Broaden the scope of public awareness campaigns on sustainable development.
- Promote and expand projects such as Eco Space and ECOLEAD Clinic at the international level.
- Strengthen cooperation with government bodies in social services and inclusivity.
- Strengthen BSU's presence in global research networks and become a leading institution in the region.
- Index BSU's scientific journals in more prestigious international ranking databases.

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17 PARTNERSHIPS FOR THE GOALS

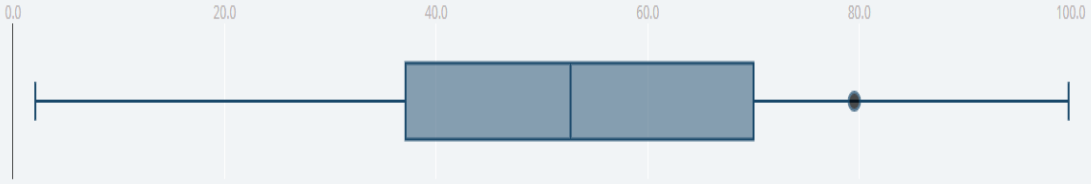
RANKING RESULTS

17 PARTNERSHIP FOR THE GOALS

MANDATORY QUALIFYING SDG - 22% OF OVERALL

SCORE 79.5

RANK 301–400 out of 2389 institutions



SCORE 63.8

Research into partnership for the goals

27.1% OF THIS SDG



SCORE 83.3

Relationships to support the goals

18.5% OF THIS SDG



SCORE 83.3

Publication of SDG reports

27.2% OF THIS SDG



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17 PARTNERSHIPS FOR THE GOALS

SCORE
88.9 Education for the SDGs

27.2% OF THIS SDG



OVERALL RANK

401–600 out of 2318 institutions

17 PARTNERSHIP FOR THE GOALS

MANDATORY QUALIFYING SDG - 22% OF OVERALL

SCORE 79.5

RANK 301–400 out of 2389 institutions

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
QS Quacquarelli Symonds

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

UI GreenMetric
World University Rankings

3. WORLD RANKINGS HISTORY



Figure 3.1 World Rankings History Diagram

4. RANKING IN AZERBAIJAN



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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
41.19%

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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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		

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17 PARTNERSHIPS FOR THE GOALS

MEMBERSHIPS

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

ISCN
International Sustainable Campus Network

GUNi
GLOBAL UNIVERSITY NETWORK FOR INNOVATION

CANiE
climate action network