

UI GreenMetric Questionnaire

University : Baku State University
 Country : Azerbaijan
 Web Address : <http://bsu.edu.az/en>
 SDG Focused Web Address: <https://sdg.bsu.edu.az/>

[3] Waste (WS)

[3.8] Organic Waste Treatment (WS.3)



Example of Organic Waste Treatment

Type of waste	Produced (Last Year)	Produced (This Year)	Reduced (tons)	Treated – Reused (tons)	Treated – Down-cycled (tons)	Treated – Up-cycled (tons)	Total Treated (tons)
Organic	245	147	98	100	25	16	141 (96%)
- Food waste	150	90	60	62	16	8	86
- Leaf, etc.	65	39	26	28	6	3	37



- Other organic waste	30	18	12	10	3	5	18
Total	245	147	98	100	25	16	141

Description:

Baku State University has established an extensive organic waste treatment system, ensuring that more than 85% of all organic waste generated on campus is treated through environmentally responsible practices. During the current reporting year, the university produced 147 tons of organic waste, of which 141 tons (96%) were successfully treated, demonstrating a high level of compliance with sustainable waste management principles. Organic waste is managed using a combination of treatment methods aligned with the 3R (Reduce, Reuse, Recycle) and circular economy approaches:

- Reuse: Organic waste, particularly food waste and landscaping residues, is composted and reused as organic fertilizer for campus green areas and landscaping projects.
- Down-cycling: Organic materials unsuitable for direct reuse are processed into lower-value products such as soil conditioners or biomass.
- Up-cycling: Selected organic waste streams are transformed into higher-value products through innovative recovery initiatives and research activities where feasible.

The university continuously monitors the quantity of organic waste generated and treated through its environmental management system. Awareness campaigns, waste segregation at source, and collaboration between campus facilities and academic units support the effectiveness of the program.

As a result, 96% of organic waste is treated, significantly exceeding the 85% threshold for extensive treatment. This performance reduces landfill disposal, lowers greenhouse gas emissions, supports resource efficiency, and reinforces Baku State University's commitment to environmental sustainability and the Sustainable Development Goals (particularly SDG 12 – Responsible Consumption and Production and SDG 13 – Climate Action).

At Baku State University, a comprehensive and institutional approach has been established to ensure environmentally safe waste management, efficient use of resources, and the application of circular economy principles. The university promotes the separate collection of organic waste generated in canteens and other catering facilities, and implements a source-segregation system to prevent its mixing with general household waste. This approach not only ensures high-quality waste processing but also minimizes environmental risks and enables its reuse as a resource. The collected organic waste is directed to appropriate treatment and disposal stages in compliance with environmental standards.

One of the priority areas in organic waste management is the composting process. Within the framework of the university's "Green Campus" initiative, food and green waste generated on campus (such as plant residues, garden waste, etc.) is composted and transformed into high-quality organic fertilizer. The produced compost is used for landscaping of the university territory, park and yard improvement, as well as tree-planting and biodiversity enhancement projects. This process significantly reduces the volume of waste while contributing to the restoration of natural ecosystem cycles by improving soil fertility.

In addition, awareness-raising activities play an important role in the reduction and proper management of organic waste at BSU. Regular seminars, trainings, and environmental campaigns are organized among students and staff on reducing food waste, developing responsible consumption habits, and ensuring proper waste segregation. Voluntary initiatives implemented with the active participation of the "SDG Club" and other student organizations contribute significantly to reducing organic waste and promoting composting, while also strengthening a culture of environmental responsibility within the university.

In the field of scientific research, organic waste management is also being developed as one of the priority areas. Researchers and academics working in the fields of ecology, biology, and soil science conduct studies on the conversion of organic waste into biohumus and other organic fertilizers, its impact on soil quality,



and its application in sustainable agriculture. These studies facilitate the implementation of innovative approaches in waste management and enrich both practical and theoretical knowledge in the field.

The measures implemented at Baku State University for organic waste management are based on an integrated management model aimed at improving the university's environmental infrastructure, expanding circular resource use, and minimizing waste generation. This approach contributes to the development of environmental awareness and responsible behavior among students, while also aligning the university's activities with the sustainable development priorities of the Republic of Azerbaijan and the concept of "solidarity for a green world," thereby further strengthening its institutional environmental responsibility.

<i>Area</i>	<i>Implementation at Baku State University</i>	<i>Outcomes / Impact</i>
<i>Organic Waste Treatment Performance</i>	BSU has established an extensive organic waste treatment system. During the reporting year, 147 tons of organic waste were generated, of which 141 tons (96%) were treated through environmentally responsible practices.	The 96% treatment rate exceeds the 85% threshold for extensive organic waste treatment, significantly reducing landfill disposal and supporting sustainable waste management.
<i>Waste Management Strategy</i>	Organic waste management is based on the 3R (Reduce, Reuse, Recycle) principle and circular economy approaches. Waste is collected separately at the source and managed according to environmental standards.	Improves resource efficiency, minimizes environmental pollution, and maximizes recovery of organic materials.
<i>Source Segregation</i>	Organic waste generated in university canteens, cafeterias, laboratories, gardens, and landscaping activities is separated from general municipal waste through a campus-wide segregation system.	Ensures high-quality treatment, reduces contamination, and increases the efficiency of composting and recycling processes.
<i>Reuse (Composting)</i>	Food waste and green waste (plant residues, leaves, grass, and garden waste) are composted and converted into organic fertilizer under the Green Campus Initiative .	Compost is used for campus landscaping, tree planting, biodiversity enhancement, and improving soil fertility while reducing waste volumes.
<i>Down-cycling</i>	Organic materials unsuitable for composting are processed into lower-value products such as biomass or soil conditioners.	Reduces disposal needs while recovering value from organic waste streams.
<i>Up-cycling</i>	Selected organic waste is converted into higher-value products through research projects and innovative resource recovery initiatives where technically feasible.	Supports innovation, circular economy practices, and sustainable resource utilization.
<i>Monitoring and Management</i>	The university continuously records and monitors the quantities of organic waste generated, collected, treated, and recovered through its environmental management system.	Enables performance evaluation, continuous improvement, and transparent sustainability reporting.
<i>Awareness and Education</i>	Regular seminars, environmental campaigns, staff training, and student awareness programs promote food waste	Strengthens environmental awareness, increases participation, and



Research and Innovation	reduction, responsible consumption, and proper waste segregation. Student organizations, including the SDG Club, actively participate in these initiatives. Academic staff and researchers from ecology, biology, agriculture, and soil science conduct research on composting, biohumus production, organic fertilizers, and sustainable agriculture using organic waste.	reduces organic waste generation across campus. Generates scientific knowledge, supports innovative waste treatment technologies, and integrates sustainability into education and research.
Environmental Benefits	Integrated organic waste management reduces waste sent to landfill, lowers greenhouse gas emissions, conserves natural resources, and improves soil quality through compost application.	Contributes directly to climate change mitigation, biodiversity conservation, and resource efficiency.
Contribution to Sustainable Development	The university's integrated organic waste management model aligns with Azerbaijan's environmental priorities, the "Solidarity for a Green World" initiative, and international sustainability commitments.	Supports SDG 12 (Responsible Consumption and Production), SDG 13 (Climate Action), SDG 15 (Life on Land), while strengthening BSU's institutional environmental responsibility and Green Campus strategy.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

1. Baku State University presents its Report on SDG 12: Responsible Consumption and Production as a comprehensive account of institutional policies and initiatives aimed at promoting sustainable resource use, waste reduction, and ethical procurement practices. The report highlights measurable progress in waste management, recycling programs, awareness campaigns, and efficient resource utilization, demonstrating the university's commitment to responsible consumption patterns in alignment with the United Nations Sustainable Development Goals.
For more information: <https://sdg.bsu.edu.az/report-on-sdg-12>
2. The Baku State University SDG portal provides comprehensive information on the university's commitment to the United Nations Sustainable Development Goals, highlighting its policies, research, partnerships, and sustainability initiatives. It also serves as an interactive platform featuring news, reports, and educational resources aimed at promoting awareness and implementation of sustainable development practices.
For more information: <https://sdg.bsu.edu.az>
3. Baku State University has established a comprehensive framework of university policies that promote sustainability, ethical governance, and responsible resource management in alignment with the United Nations Sustainable Development Goals (SDGs). These policies support environmentally responsible procurement, waste reduction, energy efficiency, and social accountability, ensuring the integration of sustainability principles into institutional decision-making and campus operations.
For more information: <https://sdg.bsu.edu.az/university-policies>
4. State University demonstrates a strong institutional commitment to the United Nations Sustainable Development Goals (SDGs) by integrating sustainability principles into its education, research, governance, and community engagement activities. Through strategic policies, interdisciplinary initiatives, and



international collaborations, the university actively contributes to advancing global sustainability agendas and addressing environmental, social, and economic challenges.

For more information: <https://sdg.bsu.edu.az/bsu%60s-commitment-to-sdgs>

5. Baku State University demonstrates a strong institutional commitment to the United Nations Sustainable Development Goals (SDGs) by integrating sustainability principles into its education, research, governance, and community engagement activities. Through strategic policies, interdisciplinary initiatives, and international collaborations, the university actively contributes to advancing global sustainability agendas and addressing environmental, social, and economic challenges.

For more information: <https://sdg.bsu.edu.az/bsu%60s-commitment-to-sdgs>

6. State University has developed a comprehensive Climate Action Plan that outlines its strategic approach to reducing greenhouse gas emissions and achieving carbon neutrality by 2030. The plan integrates energy efficiency measures, renewable energy adoption, sustainable resource management, and stakeholder engagement, reflecting a data-driven and institution-wide commitment to climate mitigation in alignment with global sustainability goals.

For more information: <https://sdg.bsu.edu.az/climate-action-plan>

7. Baku State University presents its Report on SDG 13: Climate Action as a comprehensive overview of institutional efforts to address climate change through mitigation, adaptation, education, and research initiatives. The report highlights measurable progress in reducing greenhouse gas emissions, advancing climate-related research, and integrating climate awareness into academic programs, demonstrating alignment with global climate goals and the United Nations Sustainable Development Agenda.

For more information: <https://sdg.bsu.edu.az/report-on-sdg-13-climate-action>

8. Baku State University presents its Report on SDG 12: Responsible Consumption and Production as a comprehensive account of institutional policies and initiatives aimed at promoting sustainable resource use, waste reduction, and ethical procurement practices. The report highlights measurable progress in waste management, recycling programs, awareness campaigns, and efficient resource utilization, demonstrating the university's commitment to responsible consumption patterns in alignment with the United Nations Sustainable Development Goals.

For more information: <https://sdg.bsu.edu.az/report-on-sdg-15-life-on-land>

9. Baku State University presents its Report on SDG 17: Partnership for the Goals as a comprehensive overview of its collaborative efforts with national and international stakeholders to advance sustainable development. The report highlights strategic partnerships with academic institutions, industry, government bodies, and global networks, emphasizing knowledge exchange, joint research, and capacity-building initiatives that support the effective implementation of the United Nations Sustainable Development Goals.

For more information: <https://sdg.bsu.edu.az/report-on-sdg-17-partnership-for-the-goals>

10. A Sustainable Procurement Policy at Baku State University ensures that the university purchases goods and services responsibly by considering environmental, social, and economic impacts. It promotes eco-friendly products, ethical suppliers, and efficient resource use, supporting goals such as the United Nations Sustainable Development Goals (SDGs).

For more information: <https://sdg.bsu.edu.az/sustainable-procurement-policy>

11. Baku State University is listed as a signatory of the CANIE Accord, demonstrating its commitment to global climate action and sustainability. The page highlights the university's role in promoting climate education, reducing emissions, and supporting international cooperation.

For more information: <https://canie.org/the-canie-accord/signatory-listing/baku-state-university>

12. Baku State University is listed as a member of the International Sustainable Campus Network, demonstrating its commitment to integrating sustainability into campus operations, research, and education.



For more information: <https://international-sustainable-campus-network.org/membership/baku-state-university/>

13. The ecological seminar and cleanup campaign jointly organized by Baku State University and Regional Development Public Union were aimed at promoting environmental protection and increasing public awareness. Within the framework of the event, academic insights on climate change and environmental issues were presented, while a field cleanup activity involving volunteers encouraged the development of environmental responsibility among students.

For more information: <https://riib.az/site/news/670-bdu-ve-riib-in-birge-teskilatciligi-ile-ekoloji-seminar-ve-temizlik-aksiyasi-kecirilib>

14. Baku State University hosted the “Exchange Waste for Gifts” festival as an innovative awareness-raising initiative aimed at promoting recycling and responsible consumption practices among students. The event encouraged participants to exchange recyclable waste for symbolic rewards, fostering environmental responsibility and supporting the development of a sustainable campus culture.

For more information: bsu.edu.az/az/news/bduda_tullantlar_hdiyylr_dyi_festival_keirilib

15. Baku State University joined a new eco-initiative focused on paper recycling, aimed at promoting sustainable waste management practices and reducing paper consumption across the campus. The initiative encouraged students and staff to actively participate in recycling efforts through designated collection systems, contributing to resource efficiency and environmental sustainability.

For more information: <https://sdg.bsu.edu.az/news/bsu-joins-new-eco-initiative-for-paper-recycling>

16. Baku State University launched a new campaign within the framework of the “Year of Urbanism and Architecture” aimed at transforming waste materials into creative art products. The initiative promoted recycling awareness and sustainable practices by encouraging student participation in environmentally responsible activities that integrate artistic expression with waste reduction.

For more information: <https://sdg.bsu.edu.az/news/new-campaign-launched-to-turn-waste-into-art-during-the-year-of-urbanism-and-architecture>

17. Baku State University has taken a leading role in international efforts to develop and promote best practices for the implementation of the United Nations Sustainable Development Goals (SDGs). Through active collaboration with global partners, the university contributes to knowledge exchange, policy development, and the advancement of innovative, research-driven solutions for sustainable development.

For more information: <https://sdg.bsu.edu.az/news/baku-state-university-leads-international-efforts-to-develop-best-practices-for-sustainable-development-goals>

18. Baku State University volunteers actively participated in the “Protect the Caspian 2025” International Coastal Cleanup, contributing to efforts aimed at reducing marine pollution and preserving coastal ecosystems. The initiative promoted environmental awareness and civic engagement among students, reinforcing the university’s commitment to sustainability and community-based environmental action.

For more information: <https://sdg.bsu.edu.az/news/bsu-volunteers-participate-in-protect-the-caspian-2025-international-coastal-cleanup>

19. Baku State University organized the EcoDay-2025 competition dedicated to World Environment Day, aiming to promote environmental awareness, sustainability, and student engagement in ecological initiatives. The event encouraged innovative ideas and active participation, fostering a culture of environmental responsibility and supporting the university’s commitment to sustainable development.

For more information: <https://sdg.bsu.edu.az/news/ecoday-2025-competition-at-bsu-dedicated-to-world-environment-day>

20. Baku State University Volunteers organized an awareness-raising event dedicated to International Recycling Day, aimed at promoting sustainable waste management practices and increasing environmental consciousness among students. The initiative highlighted the importance of recycling and responsible consumption, contributing to the university’s broader sustainability and environmental education efforts.



For more information: <https://sdg.bsu.edu.az/news/bsu-volunteers-organize-awareness-event-dedicated-to-international-recycling-day>

21. Baku State University implemented a dedicated mandatory training program on environmental sustainability for staff and students to strengthen institutional capacity in sustainable practices. The training provided participants with knowledge on environmental responsibility, resource efficiency, and sustainable development principles, supporting the university's commitment to integrating sustainability into education and campus operations.

For more information: <https://sdg.bsu.edu.az/news/dedicated-mandatory-training-on-environmental-sustainability-for-staff-and-students>

22. Baku State University has launched the innovative "Eco Space" project as a multidisciplinary platform for environmental education, research, and sustainable technology demonstration. The project integrates modern ecological systems and green technologies to support experiential learning, scientific experimentation, and public awareness on sustainability and climate action.

For more information: <https://sdg.bsu.edu.az/news/new-unique-project--eco-space-at-the-university>

23. Baku State University hosted the first workshop of the project titled "Application of Artificial Intelligence in Precision Agriculture," organized by the Agricultural Innovation Center, to explore the integration of advanced digital technologies in modern farming practices. The workshop focused on the use of artificial intelligence for improving agricultural efficiency, resource management, and productivity, highlighting the university's commitment to innovation-driven sustainable development.

For more information: <https://sdg.bsu.edu.az/news/the-first-workshop-of-the-project-titled-application-of-artificial-intelligence-in-precision-agriculture-organized-by-the-agricultural-innovation-center-at-bsu-has-been-held>

24. Baku State University is organizing a scientific conference within the framework of Baku Climate Action Week, aimed at advancing academic dialogue on climate change mitigation, adaptation, and sustainable development. The conference brings together researchers and experts to discuss innovative solutions and interdisciplinary approaches to addressing global environmental challenges.

For more information: <https://sdg.bsu.edu.az/news/a-scientific-conference-is-being-held-organized-by-bsu-as-part-of-baku-climate-action-week>

25. Baku State University, the Faculty of Ecology and Soil Science introduced the "Green Thinking Space" initiative aimed at promoting environmental awareness and sustainability-oriented education. The initiative provides an interactive platform for fostering ecological thinking, encouraging innovative approaches to environmental protection, and strengthening students' engagement with sustainable development principles.

For more information: <https://sdg.bsu.edu.az/news/as-part-of-the-105th-anniversary-of-baku-state-university,-the-faculty-of-ecology-and-soil-science-presented-the-green-thinking-space>

26. Baku State University is hosting a Republican Scientific Conference on the topic "Modern Problems of Ecological Chemistry and Environmental Protection," aimed at addressing contemporary environmental challenges through scientific research and interdisciplinary dialogue. The conference brings together researchers and experts to discuss innovative approaches in ecological chemistry, pollution control, and environmental protection, contributing to the advancement of sustainable development and environmental science.

For more information: <https://sdg.bsu.edu.az/news/a-republican-scientific-conference-on-the-topic-modern-problems>

27. Baku State University has developed a Sustainability and Biodiversity Policy aimed at conserving ecosystems, protecting biological diversity, and promoting the sustainable use of natural resources across its academic and operational activities. The policy establishes a framework for environmental stewardship,



biodiversity conservation initiatives, and integration of sustainability principles into education, research, and campus management in alignment with global sustainability standards.

For more information: <https://sdg.bsu.edu.az/sustainability-and-biodiversity-policy>

28. Baku State University has adopted a Sustainable Investment Policy that integrates environmental, social, and governance (ESG) principles into its financial decision-making processes. The policy ensures that institutional investments support responsible resource use, climate-conscious initiatives, and long-term sustainability objectives in alignment with international best practices and the United Nations Sustainable Development Goals.

For more information: <https://sdg.bsu.edu.az/sustainable-investment-policy>

29. Baku State University has established a Policy on Hunger and Poverty Alleviation aimed at supporting students' social well-being and promoting equitable access to basic needs. The policy outlines measures such as student support programs, partnerships with social organizations, and campus-based initiatives to reduce food insecurity and contribute to poverty reduction in alignment with sustainable development principles.

For more information: <https://sdg.bsu.edu.az/policy-on-hunger-and-poverty-alleviation>

30. Baku State University conducts interdisciplinary research aligned with SDG 6: Clean Water and Sanitation, focusing on water quality assessment, sustainable water resource management, and the protection of aquatic ecosystems. Through its laboratories, field studies, and academic collaborations, the university develops scientific solutions to improve access to safe water and support environmentally sustainable water use practices.

For more information: <https://sdg.bsu.edu.az/research-on-sdg-6>

31. Baku State University has launched the innovative "Eco Space" project as a multidisciplinary platform for environmental education, research, and sustainable technology demonstration. The project integrates modern ecological systems and green technologies to support experiential learning, scientific experimentation, and public awareness on sustainability and climate action.

For more information: <https://sdg.bsu.edu.az/news/sustainable-food-waste-management-at-baku-state-university>

32. Baku State University hosted a training session titled "Modern Approaches to Solid Waste Management" aimed at enhancing participants' knowledge of sustainable waste management practices and environmental responsibility. The training provided insights into recycling processes, waste reduction strategies, and the importance of adopting green thinking for improved environmental stewardship on campus.

For more information: <https://sdg.bsu.edu.az/news/training-on-modern-approaches-to-solid-waste-management-held-at-bsu>

33. Baku State University conducts a range of outreach activities on sustainable development aimed at raising environmental awareness and promoting responsible practices within the wider community. These initiatives include educational events, public engagement programs, and collaborative projects that support the dissemination of sustainability principles and contribute to achieving the United Nations Sustainable Development Goals.

For more information: <https://sdg.bsu.edu.az/news/bsu-outreach-activities-on-sustainable-development>

34. Baku State University has implemented an Ethical Sourcing, Waste Management, and Sustainable Use Policy to ensure responsible procurement practices, efficient resource utilization, and effective waste reduction across the institution. The policy establishes a structured framework for minimizing environmental impact, promoting recycling and circular economy principles, and integrating sustainability considerations into all operational and administrative processes.

For more information: <https://sdg.bsu.edu.az/ethical-sourcing,-waste-management>

35. Baku State University organized a scientific seminar dedicated to the development of smart irrigation technology, focusing on innovative approaches to sustainable water use in agriculture. The seminar

highlighted the application of advanced technologies such as IoT and data-driven systems to improve irrigation efficiency, reduce water consumption, and support climate-resilient agricultural practices.

For more information: <https://sdg.bsu.edu.az/news/scientific-seminar-at-bsu-development-of-smart-irrigation-technology>

36. A Sustainable Procurement Policy at Baku State University ensures that the university purchases goods and services responsibly by considering environmental, social, and economic impacts. It promotes eco-friendly products, ethical suppliers, and efficient resource use, supporting goals such as the United Nations Sustainable Development Goals (SDGs).

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IMAGES





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