



DR. BHIMRAO AMBEDKAR UNIVERSITY, AGRA

(Formerly Agra University, Agra)

A+ Accredited by NAAC

Report on Sustainable Development Goal 14



SDG 14 LIFE BELOW WATER

Conserve and sustainably use the oceans,
seas and marine resources for
sustainable development

14.1 Research on Life Below Water

Dr Bhim Rao Ambedkar university supports SDG 14: Life Below Water, which calls for the conservation and sustainable use of oceans, seas, rivers, lakes, and other aquatic ecosystems. The university promotes interdisciplinary research addressing water pollution, plastic waste, biodiversity loss, ecosystem degradation, and the impacts of climate change on aquatic environments. Faculty and students may undertake water-quality assessment, aquatic biodiversity surveys, wastewater treatment studies, microplastic monitoring, and nature-based restoration initiatives.

14.1.1 Life Below Water Cite Score

The university's research performance under SDG 14: Life Below Water is assessed using Cite Score, an indicator that reflects the visibility and academic influence of publications in Scopus-indexed journals. Cite Score- is reflecting between 4-12.1 During the reporting period, the university produced publications related to aquatic biodiversity, water-quality monitoring, marine and freshwater ecosystem conservation, pollution control, and sustainable water-resource management.

14.1.2 Life Below Water: FWCI

The university's SDG 14-related publications achieved an average Field-Weighted Citation Impact (FWCI) of 0.5 indicating their citation performance compared with the global average in the same research field.

14.1.3 Life Below Water: Publication-

Sr. NO	Title	Author	Year	Journal name	DOI	Cite score
1	Heavy Metal Pollution in River Ulhas, Maharashtra, India: Unraveling Contamination Dynamics Through Pollution Indices, Multivariate Analysis, and Health Risk Assessment	Botle A.; Salgaonkar S.; Tiwari R.; Barabde G.	2025	International Journal of Environmental Research	10.1007/s41742-025-00754-2	6.3
2	Metal Contamination in Sediments of River Kalu, Maharashtra, India: Insights from	Salgaonkar S.; Botle A.; Tiwari R.; Barabde G.	2025	<i>Sustainable Chemistry for Climate Action</i>	10.1016/j.scca.2025.100105	8.1

	Pollution Indices, Health Risk Evaluation, and Multivariate Methods					
3	Ecofriendly Nanomaterials for Wastewater Treatment	Dabas N.; Chaudhary S.; Chaudhary R.R.; Jaiswar G.	2024	<i>Green Synthesis of Nanomaterials: Biological and Environmental Applications</i>	https://doi.org/10.1002/9781119900931.ch12 Digital Object Identifier (DOI)	4
4	Unveiling Heavy Metal Pollution Dynamics in Sediments of River Ulhas, Maharashtra, India: A Comprehensive Analysis of Anthropogenic Influence, Pollution Indices, and Health Risk Assessment	Salgaonkar S.; Botle A.; Tiwari R.; Barabde G.	2024	<i>Environmental Geochemistry and Health</i>	10.1007/s10653-024-02208-8	7.9
5	A Hybrid Approach Based on Principal Component Analysis and Artificial Neural Network for Modeling River Water Quality of Prayagraj Region – An Important Pilgrimage Site of India	Lall A.S.; Pandey A.K.; Mani J.V.	2025	Environmental Quality Management	10.1002/tqem.70229	4.6
6	Water Physicochemical Factors and Oxidative Stress Physiology in Fish: A Review	Menon S.V.; Kumar A.; Middha S.K.; Paital B.; Mathur et.al	2023	<i>Frontiers in Environmental Science</i>	10.3389/fenvs.2023.1240813	9.3
7	Current Challenges of Vaccination in Fish Health Management	Kumar A.et.al	2024	<i>Animal</i>	10.3390/ani14182692	5.5

14.2 Supporting Aquatic Ecosystem Through Education

Dr. Bhimrao Ambedkar University, Agra recognizes “Life Below Water” as a vital component of sustainable development and aligns its vision with the global objective of conserving and sustainably using oceans, seas, and marine resources. The institution integrates environmental sustainability into its academic curriculum at both undergraduate and postgraduate levels, covering critical issues such as water scarcity, water pollution, species conservation, bio-magnification and bioaccumulation in aquatic food webs. Through seminars, webinars, poster-making competitions, rallies, and outreach programs, students and faculty are sensitized to the importance of preserving rivers, lakes, and marine resources.

14.2.1 Fresh water ecosystem (community outreach)

Educational Tour on Wetland Conservation at Keetham Lake

The Department of Environmental Studies, Dr. Bhimrao Ambedkar University, Agra, organized an Educational Tour on Wetland Conservation to Keetham Lake (Sur Sarovar) on 02 February 2025 on the occasion of World Wetland Day. The tour aimed to provide students with practical exposure to wetland ecosystems and their ecological significance. Keetham Lake, a designated Ramsar Wetland Site and bird sanctuary, offered students first-hand experience in understanding wetland ecology, biodiversity conservation, groundwater recharge, flood regulation, water quality, vegetation zones, and wildlife habitats. Faculty members guided students through nature walks, bird observation, aquatic flora documentation, and awareness sessions with forest and wildlife officials. The event strengthened environmental awareness and experiential learning related to wetland conservation.



Pic- lake visit

14.3 Supporting Aquatic ecosystem through action

The University has undertaken the installation of sewerage lines, a crucial infrastructure project aimed at enhancing sanitation and environmental sustainability on campus. The initiative was made possible through collaboration with the UP Jal Nigam, with a total

investment of 167.45 Lacs. This infrastructure upgrade not only contributes to the overall cleanliness and hygiene of the University but also aligns with broader environmental goals, promoting efficient wastewater management and reducing pollution.

		फोन : (0192) 2621781 फैक्स : (0192) 2621633 E-mail : pmyoung@gmail.com
कार्यालय परियोजना प्रबंधक, यमुना प्रदूषण नियंत्रण इकाई, उ०प्र० जल निगम		
वाटर चर्बर्स चौराहा, जीयनी गण्डी रोड, आगरा - 282 004		
पत्रांक	947 / प्रोत्तमना / 10	दिनांक 29.3.17
सेवा में,	सूख समित, टी० भीमदाय अम्बेडकर विश्वविद्यालय, आगरा।	
विषय:-	विश्वविद्यालय के खंडारी परिसर की सीवर लाइन खालने के सम्पूर्ण कार्य का पुनरीक्षण प्रावधानन उपलब्ध करने के सम्बंध में।	
महोदय,	उपरोक्त विषयका विश्वविद्यालय के खंडारी परिसर की सीवर लाइन खालने हेतु नगर आनुवंशिक नगर निगम, आगरा महोदय के पत्रांक 400/D/NA/17, दिनांक 06.11.2017 के अनुसार विश्वविद्यालय अभियंता द्वारा खंडारी परिसर में बताये गये स्थानों पर सीवर लाइन खालने हेतु 20.02.2018 तक प्रावधानन पूर्व में इस कार्यालय द्वारा मास जुलाई-2018 में प्रेषित किया गया था। जिसके संदर्भ में महोदय ने विश्वविद्यालय के पत्रांक डीजी० 908, दिनांक 07.03.2019 के अनुक्रम में दिनांक 07.03.2019 को ही द्वारा कार्यालय के परियोजना अभियंता एवं सहायक परियोजना अभियंता द्वारा विश्वविद्यालय के अभियंता श्री हरिभोहन शर्मा के साथ संयुक्त रूप से खंडारी परिसर के निरीक्षण में पूर्व में प्रस्तावित मागों हेतु प्रेषित प्रावधानन के अतिरिक्त परिसर को सभी मौसमों को सीवर लाइन से संयोजन करने, समुचित की मशीनीकरण, प्रस्तावित सीवर लाइन को जल संचयन की सीवर लाइन से संयोजन करने इत्यादि कार्यो हेतु भी प्रावधानन प्रेषित करने हेतु अवगत कराया गया है। अतः उपरोक्तानुसार विश्वविद्यालय अभियंता के साथ दिनांक 28.03.2019 को दूसरा बार हुई बातों के अनुसार पूर्व प्रेषित प्रावधानन अनुमति प्राप्त 20.09.33 लाख को विस्थापित करने का कराने का कष्ट करे ताकि अचिरत कार्यवाही की जा सके।	
	भवदीय  (लोकेश शर्मा) परियोजना प्रबंधक	
प्रो०० पूर्व दिनांक सम्प्रेक्षानुसार।		
प्रतिनिधि निम्नलिखित को सूचनार्थ एवं आवश्यक जानकारी हेतु प्रेषित।		
1. महाप्रबंधक, यमुना प्रदूषण नियंत्रण इकाई, उ०प्र० जल निगम, आगरा।		
	परियोजना प्रबंधक	

Pic- Demand notice of up jal nigan



14.3.2 Food from aquatic ecosystem

The university follows sustainable food procurement policies that encourage the responsible use of aquatic resources while protecting ecosystems and supporting SDG-14: Life Below Water. The university promotes the procurement of sustainably sourced seafood and aquatic food products through approved suppliers who follow responsible fishing and aquaculture practices. Preference is given to suppliers who comply with environmental regulations, avoid illegal and destructive fishing practices, and support the conservation of aquatic species and habitats.



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SUSTAINABLE AQUATIC FOOD RESOURCES MANAGEMENT POLICY

1. Short Title and Commencement

- This policy shall be known as the "Sustainable Aquatic Food Resources Management Policy" of Dr. Bhimrao Ambedkar University, Agra.
- It shall come into force from the date of approval by the Executive Council of the University.
- The policy shall apply to all concerned departments, hostels, cafeterias, laboratories, procurement units, vendors, and service providers.

2. Preamble

- The Dr. Bhimrao Ambedkar University, Agra recognizes the importance of sustainable aquatic food resources in ensuring food security, environmental conservation, and responsible institutional practices.
- The University is committed to promoting sustainable procurement, biodiversity conservation, food safety, and environmentally responsible utilization of aquatic food resources in alignment with national regulations and Sustainable Development Goals (SDGs).

7. Implementation and Monitoring

- The University Administration and Procurement Committee shall oversee implementation of this policy.
- Departments shall maintain procurement records and periodically review supplier compliance and sustainability practices.
- Training, awareness programmes, and periodic monitoring shall be conducted to promote effective implementation and continuous improvement.

8. Compliance and Enforcement

- All departments, vendors, contractors, researchers, and food service units shall comply with this policy and applicable legal provisions.
- Non-compliance may result in corrective actions, review of procurement decisions, or other measures as determined by the Competent Authority.
- The University reserves the right to issue guidelines or amendments for effective implementation whenever required.

9. Expected Outcomes

- Sustainable and environmentally responsible procurement of aquatic food resources across the University.
- Improved food safety, transparency, supplier accountability, and reduced environmental impact.
- Enhanced awareness regarding biodiversity conservation and responsible consumption among the University community.

10. Review of the Policy

- This policy shall normally be reviewed once every **three years** or earlier, if required due to changes in Government regulations, UGC guidelines, or institutional requirements.

3. Purpose

- To promote responsible procurement and utilization of aquatic food resources within the University.
- To support biodiversity conservation by encouraging sustainable fisheries and aquaculture practices.
- To ensure food safety, environmental responsibility, and transparency throughout the procurement process.

4. Objectives

- To procure aquatic food resources from legal, sustainable, and responsible sources.
- To discourage the use of endangered or overexploited aquatic species.
- To strengthen traceability, quality assurance, and supplier accountability.
- To create awareness regarding sustainable aquatic food resource management among stakeholders.

5. Scope

- This policy shall apply to procurement, storage, handling, preparation, research, and disposal of aquatic food resources within the University.
- It shall cover all academic departments, laboratories, hostels, cafeterias, guest houses, procurement committees, contractors, suppliers, and vendors.
- All stakeholders shall comply with the provisions of this policy while undertaking activities related to aquatic food resources.

6. Policy Provisions

- Preference shall be given to aquatic food resources obtained from legal, sustainable fisheries and responsible aquaculture systems.
- Procurement of endangered, threatened, or protected aquatic species shall be discouraged except where specifically permitted for approved academic or research purposes.
- The University shall encourage procurement from local, responsible suppliers following food safety, traceability, eco-friendly packaging, and sustainable supply chain practices.
- Proper storage, handling, quality assurance, and responsible utilization of aquatic food resources shall be maintained to minimize waste and environmental impact.

- The Competent Authority of the University shall have the authority to interpret, amend, or revise this policy whenever necessary.

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14.3.3 Maintain Ecosystem and their biodiversity

Biodiversity conservation is further strengthened through the development of herbal gardens, plantation drives, and labeling of plants with name plates to enhance environmental awareness and educational value. To conserve biodiversity, the university promotes the protection of native aquatic species and supports awareness programmes focused on the importance of aquatic flora and fauna. Students, researchers, and faculty members are encouraged to participate in activities such as river cleanliness drives, biodiversity awareness campaigns, water conservation programmes, and environmental education initiatives.



Herbal Garden



Plants with name plate for spreading awareness

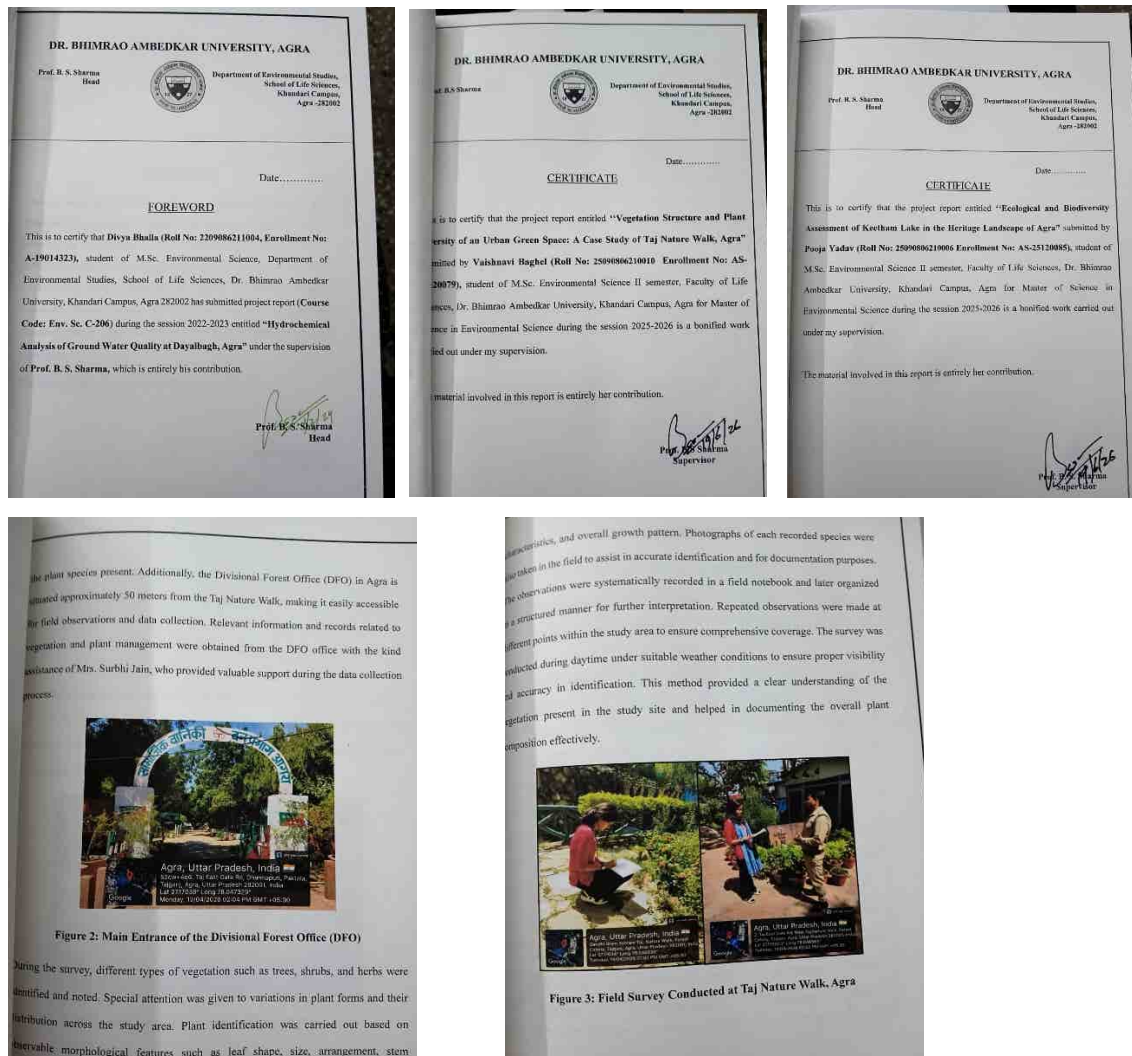


Research Contribution towards Biodiversity Conservation and Aquatic Ecosystem Management

The Department of Environmental Studies, School of Life Sciences, Dr. Bhimrao Ambedkar University, Agra actively promotes research aligned with United Nations Sustainable Development Goal 14 (Life Below Water) through postgraduate dissertation and project work focusing on freshwater ecosystem conservation, biodiversity assessment, and water quality management.

These research activities strengthen the university's commitment to biodiversity conservation by generating scientific information that assists in protecting freshwater ecosystems, improving water quality, and promoting sustainable utilization of aquatic resources. The outcomes also provide valuable baseline data for policymakers, environmental agencies, researchers, and local communities involved in ecosystem restoration and conservation planning.

Collectively, these projects demonstrate the institution's contribution towards SDG-14: Life Below Water, particularly in conserving inland freshwater ecosystems through scientific assessment, environmental monitoring, and biodiversity research. These research was completed under the supervision of **Prof. B. S. Sharma**.



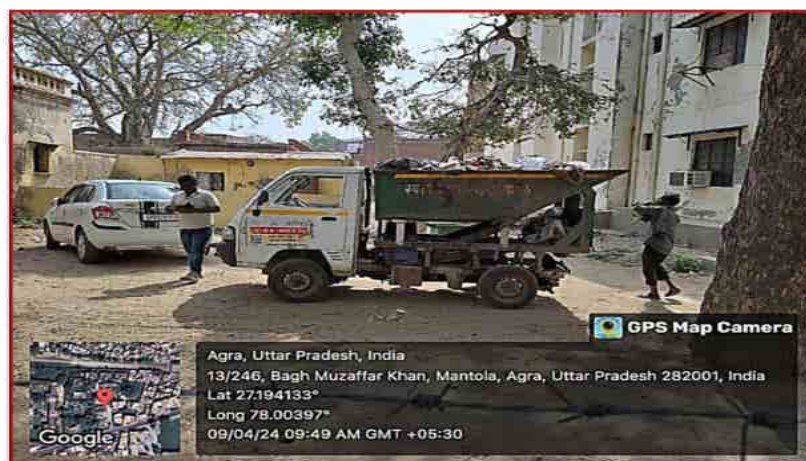
14.4 Water Sensitive waste disposal

Universities generate biomedical waste through healthcare facilities, medical laboratories, research laboratories, and campus health centres. Improper disposal of biomedical waste can introduce hazardous chemicals, pathogens, pharmaceuticals, and infectious materials into water bodies, affecting aquatic biodiversity and human health. To prevent biomedical waste from entering rivers and other aquatic ecosystems, the university follows a systematic biomedical waste management strategy. The university ensures segregation of biomedical waste at the point of generation by using colour-coded

waste collection systems as per biomedical waste management guidelines. Infectious waste, sharps, contaminated plastics, pharmaceutical waste, and pathological waste are collected separately to avoid mixing with general waste and prevent unsafe disposal.



Pic-Biomedical waste segregation



Solid waste collection in University premises in collaboration with Nagar Nigam Agra

14.4.1 Water Discharge guideline and standard

The University also adopted comprehensive environmental policies focusing on water conservation, pollution control, and sustainable resource management. Rainwater harvesting systems have been implemented across the campus to recharge groundwater and reduce dependency on external water sources. Regular green and energy audits are conducted to monitor sustainability performance and identify areas for improvement. Ground cover.



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POLICY ON WATER RESOURCE CONSERVATION AND SUSTAINABLE MANAGEMENT

1. Short Title and Commencement

- This policy shall be entitled the “**Policy On Water Resource Conservation And Sustainable Management**” of Dr. Bhimrao Ambedkar University, Agra.
- This policy shall come into strength from the date of its approval by the Executive Council of the University.
- The policy shall be appropriate to all the campuses, academic departments, administrative offices, hostels, residential quarters, research centers, associated institutions, and all the stakeholders allied with the University.

2. Preamble

- Dr. Bhimrao Ambedkar University, Agra distinguishes water as a vital natural resource essential for life, environmental sustainability, public health, and socio-economic improvement. In view of escalating water scarcity, climate change, declining groundwater levels, and increasing demand for water possessions, the University is committed to promote accountable water management and preservation practices.
- This policy is allied with the Sustainable Development Goals (SDG 6: Clean Water and Sanitation), the National Water Policy, environmental regulations, and the University's commitment to sustainable campus improvement and environmental stewardship.

3. Purpose

- Ensuring the sustainable employ, conservation, and management of water resources within the University.
- Reducing water consumption and recover water-use competence crosswise all University operations.
- Promoting attentiveness, education, and participation in water conservation initiatives.
- Contributing to environmental sustainability and responsible source executive.

4. Objectives

- Minimizing water consumption through competent management practices and technological interventions.
- Promoting rainwater harvesting and groundwater refresh initiatives.
- Encouraging recycling, reprocess, and treatment of wastewater wherever feasible.
- Creating awareness concerning water conservation among students, faculty, staff, and the community.
- Integrating water conservation principles into teaching, research, expansion, and outreach activities.
- Establishing mechanisms for monitoring, auditing, and humanizing water management practices.

• Dr. Bhimrao Ambedkar University, Agra distinguishes water as a vital natural resource essential for life, environmental sustainability, public health, and socio-economic improvement. In view of escalating water scarcity, climate change, declining groundwater levels, and increasing demand for water possessions, the University is committed to promote accountable water management and preservation practices. • This policy is allied with the Sustainable Development Goals (SDG 6: Clean Water and Sanitation), the National Water Policy, environmental regulations, and the University's commitment to sustainable campus improvement and environmental stewardship. 3. Purpose • Ensuring the sustainable employ, conservation, and management of water resources within the University. • Reducing water consumption and recover water-use competence crosswise all University operations. • Promoting attentiveness, education, and participation in water conservation initiatives. • Contributing to environmental sustainability and responsible source executive. 4. Objectives • Minimizing water consumption through competent management practices and technological interventions. • Promoting rainwater harvesting and groundwater refresh initiatives. • Encouraging recycling, reprocess, and treatment of wastewater wherever feasible. • Creating awareness concerning water conservation among students, faculty, staff, and the community. • Integrating water conservation principles into teaching, research, expansion, and outreach activities. • Establishing mechanisms for monitoring, auditing, and humanizing water management practices.	• Supporting sustainable campus procedures and environmental liability. 5. Scope • This policy concerns to all University-owned and managed buildings, facilities, infrastructure, and operations. • The policy wraps academic, administrative, residential, frivolous, research, and extension activities connecting water usage. • The policy concerns to all the students, faculty members, employees, contractors, vendors, visitors, and other stakeholders allied with the University. • The policy expands to affiliated institutions and centers wherever pertinent. 6. Policy Provisions • The University shall encourage competent and accountable use of water in all the campus operations. • Water conservation measures shall be integrated into campus arrangement, construction, restoration, landscaping, and infrastructure development projects. • Introduction of IoT-based smart water monitoring systems, where digital water meters and sensors continuously monitor water consumption, storage levels, and leakages in real time. • Water security and climate resilience plan” measures to address emergency water shortages, Infrastructure failures, and long-term climate-related challenges, ensuring uninterrupted availability of safe water on campus. Ex-Backup storage, increase rainwater harvesting capacity, drinking water monitoring, etc. • University may conduct awareness campaigns among communities on water conservation, rain-water harvesting, sanitation, and safe drinking water through NSS, NCC, SDG Club volunteers, thereby strengthening community engagement under SDG 6. • Rainwater harvesting systems shall be recognized, maintained, and extended wherever technically and inexpensively practicable.
• Water consumption, harvesting competence, wastewater reuse, and conservation initiatives shall be scrutinized periodically. • University may conduct an Annual Water Audit to assess water consumption, identify losses, evaluate conservation measures, and estimate the institutional water footprint. The audit findings should help future consumption and conservation planning, along with publishing annual water sustainability report. • Annual water conservation targets may be assigned to individual departments, hostels, laboratories, and administrative units along with periodic review. • Departments and units shall oblige in implementing water conservation measures and awareness programs. • Periodic assessments and water audits shall be assumed to approximation fulfillment and performance. • Annual reports on water conservation initiatives, achievements, and challenges shall be proposed to the Executive Council of the university. 8. Compliance and Enforcement • All stakeholders shall fulfill with the provisions of this policy and sustain water conservation initiatives. • Departments, centers, and administrative units shall make sure accomplishment of water-saving measures within their areas of accountabilities. • Any identified examples of water wastage, carelessness, or non-compliance shall be tackled through appropriate remedial measures. • Contractors, vendors, and service providers occupied by the University shall adhere to appropriate water conservation requirements. • The designated authority may concern guidelines, advisories, and recommendations to progress compliance and conservation presentation. 10. Expected Outcomes	• Reduction in general water consumption and wastage crosswise the University. • Enlarged acceptance of rainwater harvesting, groundwater recharge and wastewater recycle practices. • Enhanced water-use competence in academic, administrative, residential, and operational activities. • Improved awareness and contribution in water conservation among students, faculty, staff, and the community. • Reinforced research, innovation, and academic engagement in sustainable water management. • Enhanced environmental sustainability and resilience to water-related challenges. • Involvement to the accomplishment of SDG 6 (Clean Water and Sanitation) and other sustainability goals. • Enlargement of the University as a model campus for accountable water stewardship and environmental management. 11. Review Mechanism • This policy shall be reviewed every three years or earlier if required by changes in environmental regulations, institutional priorities, technological advancements, or supply conditions. • The review shall evaluate water consumption trends, conservation achievements, audit findings, stakeholder feedback, and implementation efficiency. • Recommendations occurring from the review shall be submitted to the Executive Council of the university for approval and incorporation into revised policy provisions. • The University shall incessantly progress its water conservation practices through periodic evaluation, innovation, and adoption of best practices in sustainable water management.

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14.4.2 Action Plan To reducing plastic waste

The University is committed to reducing plastic pollution and promoting sustainable waste management practices in alignment with **Sustainable Development Goal 14: Life Below Water**. Recognizing that plastic waste generated on land often enters rivers, lakes, and oceans through drainage systems, the University has adopted a comprehensive action plan to minimize plastic consumption, encourage recycling, and create a plastic-responsible campus. The University has implemented a Single-Use Plastic Reduction Policy, restricting the use of disposable plastic items such as carry bags, plastic bottles, straws, stirrers, disposable cutlery, cups, and thermocol products across the campus. Students, faculty, staff, vendors, and visitors are encouraged to use reusable alternatives, including steel bottles, ceramic or steel cups, cloth bags, and biodegradable packaging

materials. Awareness campaigns encourage students and staff to carry reusable water bottles and participate in "Bring Your Own Bottle" initiatives during academic and cultural events. Regular awareness programmes, workshops, seminars, poster competitions, cleanliness drives, and observance of World Environment Day, World Oceans Day, and Plastic Free campus are organized to educate students and staff about the harmful impacts of plastic pollution on freshwater and marine ecosystems. These initiatives encourage responsible consumption and foster long-term behavioural change.





arrangement for empty plastic bottle

POLICY ON BAN ON USE OF PLASTIC



DR. BHIMRAO AMBEDKAR UNIVERSITY, AGRA
(Originally known as Agra University, Agra)

- c) Mandating all students to avoid/bringing non-bio-degradable plastic items to the institutions.
- d) Encouraging students to sensitize their respective households about the harmful effects of plastics and make their households 'plastic-free'
- e) Installing necessary alternative facilities like water units to avoid the use of plastic water bottles and encouraging the use of alternative solutions like cloth bags, paper bags, etc. instead of plastic bottles, bags, cover, and other goods in University campus.
- f) Dr. Bhimrao Ambedkar University will adopt villages under Umat Bharat Abhiyan shall undertake a campaign in their adopted villages till they are converted into 'plastic-free villages' through promoting awareness and encouraging the shift to alternative products.

Dr. Bhimrao Ambedkar University(Policy on Ban on Use of Plastic)

POLICY ON BAN ON USE OF PLASTIC

Plastic waste has emerged as one of the biggest environmental concerns adversely impacting the soil, water, health and well-being of citizen at large. Excessive consumption of plastic combined with limited waste disposal systems has become a challenge to the urban waste disposal systems, and has choked the rivers and water systems in rural areas. The time has come for a systematic campaign to reduce the usage of plastic especially the single-use plastic. The University has decided to take plastic ban as a campaign of importance to address the environmental hazards of plastic & bring attitudinal changes that shun use of plastics.

The educational institutions have the unique spread and influence to educate the students and households on the needs for avoiding usage of plastic. As per the University Grant Commission (UGC) guidelines to ban the use of plastic in Universities/educational institutions and in support of the 'Swachhata Hi Sewa' Campaign, launched by the Government of India with an aim to eliminate the use of plastic and to dispose of plastic waste, Dr. Bhimrao Ambedkar University implement strict ban on single use plastic in its campus, constituent colleges and affiliated institutions with immediate effect.

Towards achieving the objective, following measures will be taken to make their campuses 'plastic-free' by systematically banning the use of plastic and replacing the same with suitable environment-friendly substitutes at all institutions and adoption of policies and practices towards cleaner and plastic-free campuses.

For this, Dr. Bhimrao Ambedkar University Adopted following rules:

- a) Banning use of single-use plastics in canteens, shopping complexes in the institution's premises and hostels, etc.
- b) Carrying out awareness drives and sensitization workshops on the harmful impacts of single-use plastics.

Dr. Bhimrao Ambedkar University(Policy on Ban on Use of Plastic)

Plastic-Free Campus Campaign

Spread across 300 acres, our all 6 campuses act as a vibrant residential community for students, faculty and staff, with a core commitment to sustainability and environmental stewardship. In our efforts to conserve the environment, the university adheres to a 3R's system: Reduce, Reuse and Recycle. Solid Waste Management and Waste Recycling System Separate bins for Biodegradable and non-biodegradable waste are placed in every hostel/ department/ administrative block for the collection of garbage which is then transported to

municipal cooperation Agra. The campus horticultural waste is collected in 7 designated pits within the gardens, where it undergoes composting to transform into nutrient-rich manure over time. Plastic waste is disposed of through authorized waste collectors. The University campus is free of single-use plastics. Paper waste generated is collected and handed over to an authorized agency for recycling. Liquid Waste Management: The liquid waste of the university is diverted to the external sewage treatment plant of Agra City. Where it is treated and used in the city as per NGT guidelines. 2 indigenous liquid waste treatment plants are established in the Chemistry and Pharmacy department. The treated water, after controlling the necessary parameters, is used in different gardens. Biomedical Waste Management The university generates the least Biomedical waste. Biomedical waste generated from the University's Health Centre, Pharmacy, Life Sciences and Biotechnology department is not mixed up with other wastes. It is collected in biohazard waste boxes and transported in a closed container vehicle for proper treatment. E-Waste Management In 2023, the University signed a Memorandum of Understanding with Vishal Trading Company, Agra with an aim to dispose E-Waste. When computers reach the end of their useful life, non-functional monitors, CPUs, UPS, Printers, Keyboards, CDs and Pen Drives are collected from various locations on campus by designated technicians. After inspection, these items are transferred to Garbage Clinic and Infratech Private Limited for proper disposal.





Awareness Rally on World Environment Day on the Theme Beat Plastic Pollution:

- Program is organized to encourage the student and faculty to conserve the environment
- Number of Student Participated: 79



वेस्ट प्लास्टिक की बोतलों से संस्थान में की सजावट



खंडारी में विद्यार्थियों ने प्लास्टिक की बोतलों से की सजावट को देखते लोग। संवाद

आगरा। संयुक्त राष्ट्र पर्यावरण कार्यक्रम ने वर्ष 2023 के लिए 'प्लास्टिक प्रदूषण का समाधान' थीम दिया है। इस पर डॉ. भीमराव अंबेडकर विश्वविद्यालय के स्कूल ऑफ लाइफ साइंस (एसएलएस) के पर्यावरण अध्ययन विषय के विद्यार्थियों ने काम किया। अपशिष्ट (वेस्ट) प्लास्टिक की बोतलों से कुत्रिम पेड़ और ड्राइफानुस बनाकर संस्थान की सजावट की है। पर्यावरण अध्ययन विभागाध्यक्ष प्रो. भूपेन्द्र स्वरूप शर्मा व शिक्षिका डॉ. निभा जादीन की देखरेख में इनको बनाया गया। चार फुट का ड्राइफानुस बनाने में प्लास्टिक की 150 बोतलें (एक-एक लीटर वाली) और 8 किलोग्राम लोहे का कबाड़ लगा है। कुत्रिम पेड़ में करीब 650 बोतलें और 80 किलोग्राम लोहे के कबाड़ का इस्तेमाल हुआ है। जगृति गुप्ता, आरती शर्मा, राज, प्रभात, करिमा शर्मा, दिव्या भल्ला, निशा, निखारिका शर्मा, भावना, देशयज, अंजुज, प्रियांशु सिक्कार, जयप्रकाश, वेंशनवी, अभिषेक ने 5 दिन में दोनों सजावटी वस्तुएं तैयार कीं। व्यूरो

14.4.3 Reducing marine pollution



Dr. Bhimrao Ambedkar University, Agra
Formerly Agra University, Agra
(A+ Grade NAAC Accredited)

SUSTAINABLE MARINE ENVIRONMENT PROTECTION POLICY

1. Short Title and Commencement

- This policy shall be known as the "Sustainable Marine Environment Protection Policy" of Dr. Bhimrao Ambedkar University, Agra.
- It shall come into force from the date of approval by the Executive Council of the University.
- The policy shall apply to all academic departments, research centres, laboratories, students, faculty members, staff, contractors, and other stakeholders involved in teaching, research, outreach, and environmental activities related to marine ecosystems.

2. Preamble

- The Dr. Bhimrao Ambedkar University recognizes the importance of marine ecosystems in maintaining biodiversity, climate regulation, food security, and ecological balance, and is committed

to promoting their conservation through education, research, and responsible environmental practices.

- The University shall encourage sustainable marine resource management, pollution prevention, and environmental stewardship in alignment with national environmental policies and the Sustainable Development Goals (SDGs).

3. Purpose

- To promote awareness and protection of marine ecosystems through sustainable institutional practices.
- To encourage responsible management of activities that may directly or indirectly affect the marine environment.
- To support education, research, and community engagement for marine environmental conservation.

4. Objectives

- To promote conservation of marine biodiversity and coastal ecosystems.
- To encourage responsible use of marine resources and prevention of marine pollution.
- To strengthen research, innovation, and environmental education related to marine sustainability.
- To encourage participation of students, faculty members, and stakeholders in marine conservation initiatives.

5. Scope

- This policy shall apply to all University activities related to marine environmental education, research, awareness programmes, extension activities, and collaborative projects.
- It shall cover academic departments, laboratories, research centres, NSS, NCC, Eco Clubs, and other University units engaged in environmental sustainability programmes.
- All faculty members, students, staff, contractors, consultants, vendors, and collaborating organizations shall comply with the provisions of this policy.

6. Policy Provisions

- The University shall promote responsible practices that reduce plastic waste, prevent pollution, and encourage sustainable use of marine resources through awareness and institutional initiatives.
- Marine environmental conservation shall be integrated into teaching, research, training programmes, field visits, extension activities, and community outreach wherever appropriate.
- The University shall encourage collaboration with Government agencies, research institutions, coastal communities, and environmental organizations to support marine conservation, pollution prevention, and biodiversity protection.
- Awareness campaigns, workshops, seminars, beach clean-up drives, observation of World Oceans Day, and other environmental activities shall be organized to promote marine environmental stewardship.

7. Implementation and Monitoring

- The University Administration and concerned departments shall oversee the implementation of this policy.
- Periodic reviews shall be conducted to evaluate awareness programmes, research activities, outreach initiatives, and collaborative efforts related to marine environmental protection.
- Records of relevant activities, training programmes, and conservation initiatives shall be maintained for monitoring and continuous improvement.

8. Compliance and Enforcement

- All departments, faculty members, students, staff, contractors, vendors, and collaborating agencies shall comply with the provisions of this policy.
- Any activity undertaken under the University that may adversely affect marine environmental sustainability shall be reviewed and appropriate corrective measures may be initiated by the Competent Authority.
- The University may issue additional guidelines or amendments for effective implementation of this policy.

9. Expected Outcomes

- Enhanced awareness and institutional commitment towards sustainable marine environment protection.
- Increased participation in marine conservation, pollution prevention, and environmental education activities.
- Strengthened research, collaboration, and community engagement supporting sustainable marine ecosystem management.

10. Review of the Policy

- This policy shall normally be reviewed once every **three years** or earlier, if required due to changes in Government regulations, UGC guidelines, environmental legislation, or institutional requirements.
- The Competent Authority of the University shall have the authority to interpret, amend, or revise this policy whenever necessary.

14.5 Maintaining a local ecosystem

14.5.1 Minimizing alteration of aquatic ecosystem

14.5.2 Monitoring the health of aquatic ecosystem

14.5.3 Programmes towards good aquatic stewardship practices

14.5.4 Collaboration for shared aquatic ecosystem

14.5.5 Watershed management strategy

The University has implemented rainwater harvesting systems across academic and residential buildings to capture and store rainwater for groundwater recharge. Stormwater drainage systems are regularly maintained to ensure efficient runoff management while minimizing soil erosion and sediment transport into nearby water bodies. Permeable pavements, recharge pits, and green landscapes further enhance natural infiltration and reduce surface runoff.

The University also undertakes afforestation and green belt development to stabilize soil, reduce erosion, and enhance the natural filtration of rainwater. Native tree species and vegetation are planted along drainage channels and open spaces to strengthen watershed resilience and support local biodiversity.



Rainwater Harvesting Pits





Pic- Groundwater recharge system