THE IMPACT RANKINGS

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

الاستهلاك والإنتاج المسؤولان

EXECUTIVE PROGRESS AND ANALYTICAL REPORT

Assiut University

REVISED BY
International Ranking Office

SDG 12

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OVERVIEW

Assiut University has achieved substantial institutional progress in embedding sustainability into its daily operations. Between 2023 and 2025, the University modernised its core operational policies, updating ethical food procurement, hazardous waste protocols, and plastic reduction frameworks, while extending sustainability compliance to external suppliers and service contractors.

AT A GLANCE

54.5%
Recycling rate 2024/2025, up from 44.4%

-18.5%
Total waste generated, 135 to 110 mt

60 mt
Waste recycled in each cycle

7
Operational policies and measures (12.2.1–12.2.8)

5
Sterilisation and chopping units at the hospital incinerator complex

Annual
Public sustainability reporting

12.2

OPERATIONAL MEASURES

12.2.1 Ethical sourcing of food and supplies

Created 2004 | Reviewed 2025

The University governs campus dining halls, hospitals, and food outlets through a unified ethical procurement framework. By prioritising local agricultural produce, including sustainable aquaculture from Al-Gharib Farm, and enforcing Egyptian National Food Safety Authority (NFSA) standards, Assiut University ensures fair labour practices, nutritional quality, and transparent supply-chain accountability.

12.2.3 Hazardous materials and waste disposal

Created 2010 | Reviewed 2025

A rigorous safety protocol regulates hazardous waste across medical, dental, and scientific faculties as well as university hospitals. Trained staff collect segregated waste in colour-coded red bags using full protective gear, transporting it to the hospital incinerator complex equipped with five sterilisation and chopping units under an official Ministry of Health cooperation agreement.

12.2.4 Waste measurement for landfill and recycling

Created 2010 | Reviewed 2025

Assiut University operates a campus-wide sorting and tracking system using dedicated collection bins for organic, inorganic, and recyclable streams. Agricultural residues are converted into organic fertilisers and animal feed, creative faculties repurpose paper and glass into educational tools, and medical centres maintain strict monthly and annual weight logs (in kg) for treated hazardous waste.

Local
Produce prioritised, incl. Al-Gharib Farm aquaculture

NFSA
Food-safety standards enforced

Red bags
Colour-coded hazardous waste

kg
Monthly and annual weight logs

12.2

OPERATIONAL MEASURES (CONTINUED)

12.2.5 Plastic use minimisation

Created 2010 | Reviewed 2025

To curb single-use plastics, the University has transitioned to refillable hygiene dispensers, paper cups, water coolers instead of bottled water, and wooden or bamboo cleaning tools. Dedicated plastic collection bins further support campus-wide recycling and student-led upcycling initiatives.

12.2.6 Disposable items minimisation

Created 2016 | Reviewed 2024

Paper and disposable item consumption has been significantly reduced through mandatory double-sided printing, exam paper recycling, and a broad digital transformation encompassing electronic correspondence, digital exams, and Microsoft Teams-based learning.

12.2.7 Extension to outsourced services and supply chain

Environmental, health, and safety standards are contractually binding for all outsourced campus cafeterias, waste collection contractors, and service providers. In parallel, the Sustainable Development Center partners with external industrial firms to align outsourced operations with sustainability goals.

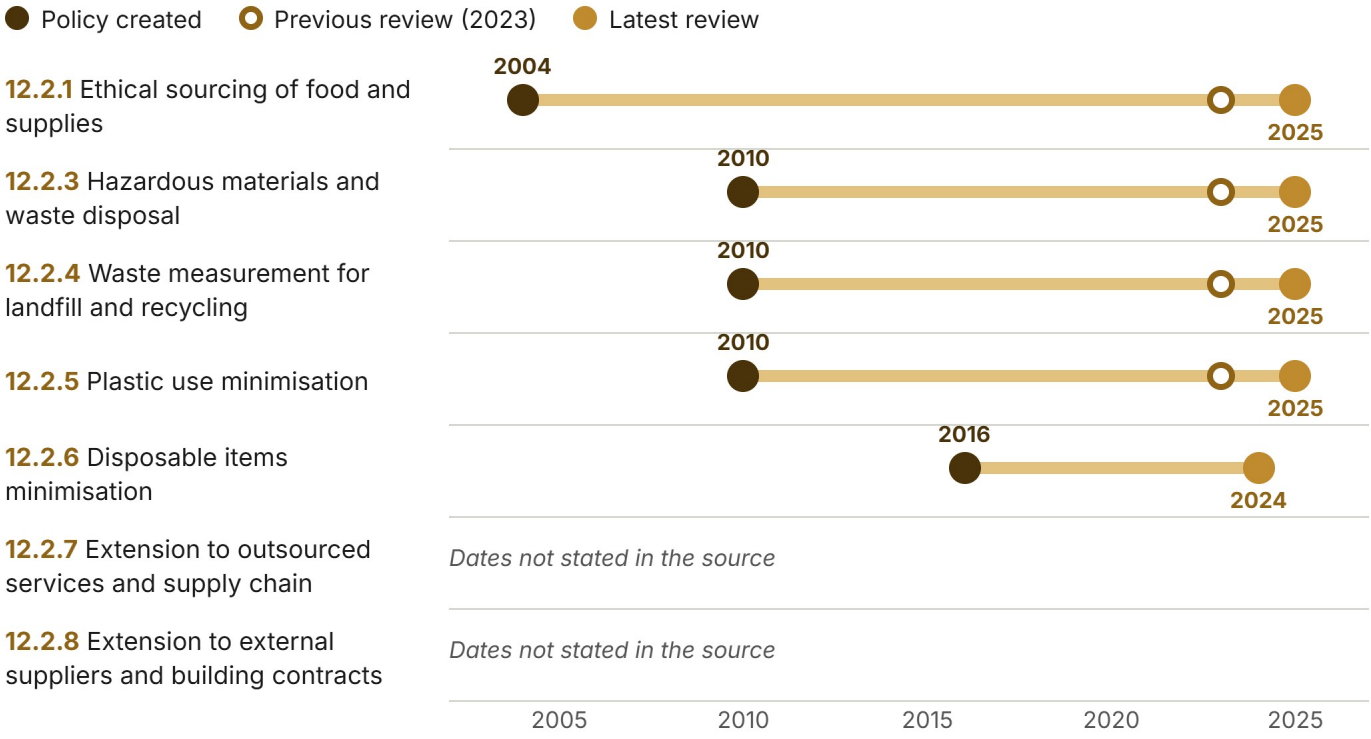
12.2.8 Extension to external suppliers and building contracts

Procurement for equipment, stationery, and construction contracts incorporates formal sustainability and quality criteria, backed by annual supplier performance evaluations. Applied engineering projects also advance sustainable construction, such as converting recycled plastic waste into durable interlocking paving tiles.

12.2

POLICY LIFECYCLE AND RECENT REVIEW UPDATES

2004–2025



POLICY	CREATED	PREVIOUS REVIEW	LAST REVIEWED
12.2.1 Ethical sourcing of food and supplies	2004	2023	2025
12.2.3 Hazardous materials and waste disposal	2010	2023	2025
12.2.4 Waste measurement for landfill and recycling	2010	2023	2025
12.2.5 Plastic use minimisation	2010	2023	2025
12.2.6 Disposable items minimisation	2016	–	2024
12.2.7 Extension to outsourced services and supply chain	Not stated	–	Not stated
12.2.8 Extension to external suppliers and building contracts	Not stated	–	Not stated

Five of the seven operational measures carry formal creation and review dates; the three core waste and plastic policies date from 2010, and all five were reviewed in 2024 or 2025. Four of these policies also passed an earlier review in 2023 before their latest update in 2025.

12.3

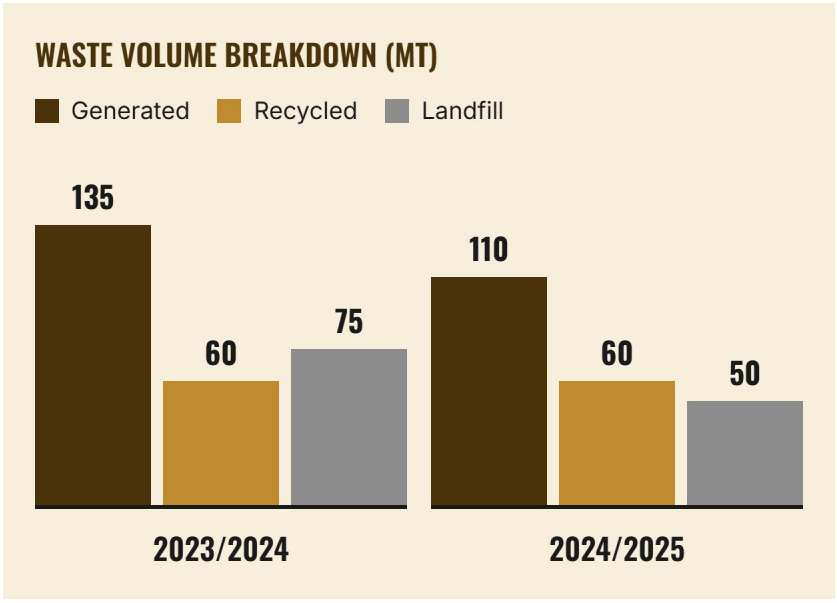
PROPORTION OF RECYCLED WASTE

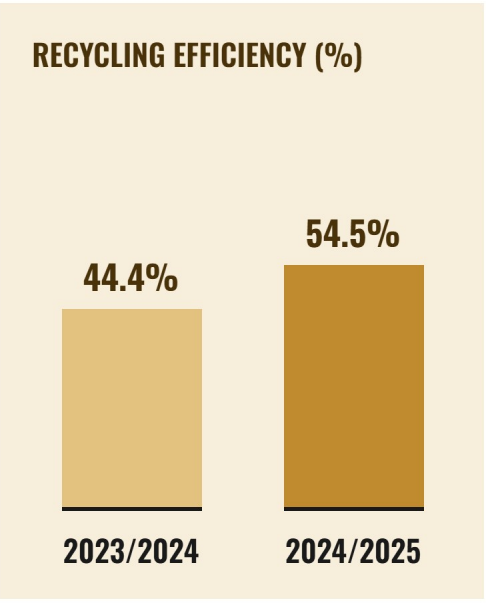
Quantitative tracking across the entire University demonstrates measurable progress in waste reduction. Total waste generated decreased by 18.5%, from 135 metric tonnes (mt) in 2023/2024 to 110 mt in 2024/2025, while recycled volume remained steady at 60 mt, raising the University's overall recycling rate from 44.4% to 54.5%. As a result, waste sent to landfill fell from 75 mt to 50 mt, a reduction of one third.

135 → 110
Total waste generated (mt)

75 → 50
Waste sent to landfill (mt)

44.4% → 54.5%
Recycling rate





12.3.1 WHOLE-UNIVERSITY WASTE GENERATION AND RECYCLING MEASUREMENT

Assiut University conducts comprehensive, campus-wide quantification of waste streams across academic faculties, agricultural farms, and medical centres. Organic residues, student-recycled inorganic materials, and medical waste are systematically logged in metric tonnes to monitor diversion from landfills.

Calculation Generated waste = recycled + landfill (135 = 60 + 75; 110 = 60 + 50). Recycling rate = recycled ÷ generated.

12.4

PUBLICATION OF SUSTAINABILITY REPORT

Assiut University maintains full transparency and public accountability by publishing its sustainability performance indicators on an annual basis, aligning institutional reporting with the global Sustainable Development Goals (SDGs).

Annual
Reporting frequency

Public
Report status

12.4.1 ANNUAL SUSTAINABILITY REPORTING

The University regularly releases comprehensive annual sustainability reports and environmental performance metrics through its official digital portals. These publications document measurable progress in:

- Waste management
- Green campus initiatives
- Ethical procurement
- Community engagement

SDG 12 IN SUMMARY

Seven operational measures covering food, hazardous waste, waste tracking, plastics, disposables, outsourced services, and suppliers; a recycling rate rising to 54.5%; and annual public reporting of sustainability performance.

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