# SDG 12

# RESPONSIBLE CONSUMPTION AND PRODUCTION

Institutional Impact Report 2026

## Al-Iraqia University

**3R • Waste Prevention • Recycling • Circularity • Sustainable Resource Use**

Al-Iraqia University supports SDG 12 through a campus-wide Reduce–Reuse–Recycle framework, source segregation, paper and plastic reduction, organic-waste management, hazardous-waste controls and digital administrative practices that reduce material consumption.

**Reporting: year 2025–2026**




*Figure 1. Representative uploaded institutional evidence supporting SDG 12.*

## 1. Executive Summary

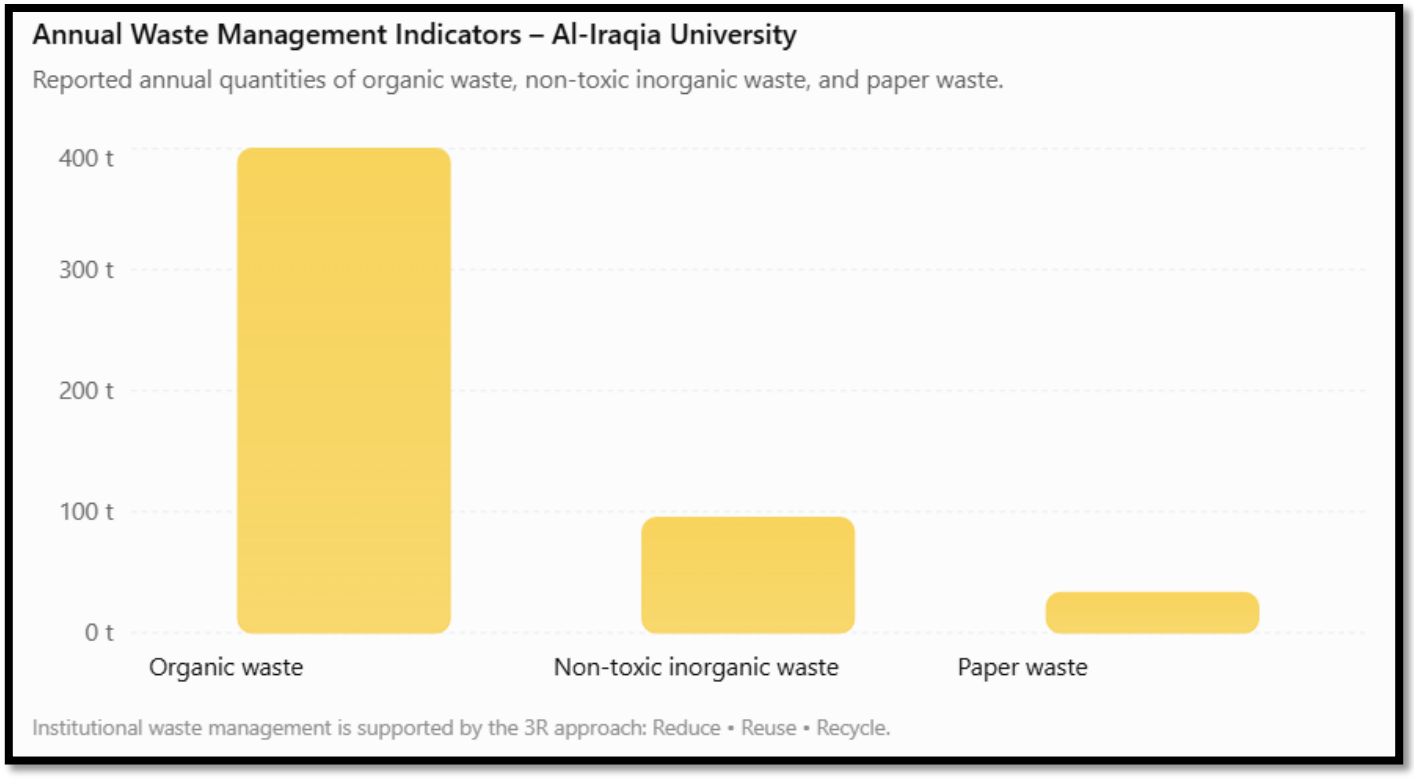
Al-Iraqia University demonstrates a comprehensive institutional commitment to responsible consumption, sustainable resource management, and environmentally sound waste practices. The University applies an integrated Reduce–Reuse–Recycle (3R) framework across its campuses, supported by waste segregation at source, recycling initiatives, and measures designed to minimize the generation of paper, plastic, organic, and other forms of waste.

Institutional efforts extend beyond conventional waste management to include the reduction of paper and plastic consumption, systematic management of organic waste, controlled handling of hazardous waste, and increased adoption of digital administrative and communication systems. These practices contribute to reducing material consumption, improving resource efficiency, and limiting the environmental impacts associated with university operations.

Through the integration of waste prevention, responsible material use, recycling, digital transformation, and environmentally responsible disposal practices, Al-Iraqia University is progressively strengthening a culture of resource efficiency and responsible consumption across its academic and administrative environment. This integrated approach provides a practical institutional framework for improving environmental performance, promoting sustainable behavior within the university community, and supporting the long-term transition toward more circular and resource-efficient campus operations.

## Institutional Capacity & Impact at a Glance

| 400 t | 95 t | 33 t | 3R |
|---|---|---|---|
| organic waste generated annually | non-toxic inorganic waste annually | paper waste reported annually | Reduce • Reuse • Recycle program |



## Institutional contribution at a glance

- **Campus-Wide 3R Program:** The university implements a 3R program across its campuses.
- **Paper, Plastic and Inorganic Waste:** The evidence reports 95 tons of non-toxic inorganic waste in both 2023–2024 and 2024–2025: 33 tons of paper, 40 tons of soft plastic and 22 tons of hard plastic.
- **Organic Waste and Resource Recovery:** Approximately 400 tons of organic waste are reported annually, primarily from food services, green areas and related campus activities.
- **Hazardous Waste and Institutional Controls:** The university documents specialized handling of hazardous waste, including separation, temporary storage, documentation and transfer through approved channels.




*Figure 1. Waste Segregation and Recycling Practices at Al-Iraqia University, illustrating designated collection bins for paper, plastic, glass, cans, and other waste to promote source separation, recycling, and responsible resource management.*

## 2. Campus-Wide 3R Program

The university implements a 3R program across its campuses. Recycling bins collect paper, cardboard, plastic, glass and aluminum; awareness campaigns explain correct disposal; and reuse practices extend the life of materials and equipment.

## 3. Paper, Plastic and Inorganic Waste

The evidence reports 95 tons of non-toxic inorganic waste in both 2023–2024 and 2024–2025: 33 tons of paper, 40 tons of soft plastic and 22 tons of hard plastic. Source segregation, double-sided printing, electronic document management and reduction of single-use plastics are used to improve resource efficiency.

## 4. Organic Waste and Resource Recovery

Approximately 400 tons of organic waste are reported annually, primarily from food services, green areas and related campus activities. Prevention, separate collection, reuse and transfer to composting/recycling facilities support resource recovery and reduce disposal impacts.

## 5. Hazardous Waste and Institutional Controls

The university documents specialized handling of hazardous waste, including separation, temporary storage, documentation and transfer through approved channels. Digital administrative procedures further reduce paper consumption and strengthen the shift toward lower-material institutional operations.



## 6. SDG 12 Evidence and Impact Matrix

Link:

https://aliraqia.edu.iq/en/envi-sust

https://aliraqia.edu.iq/

| Impact area | Verified university evidence | Contribution to SDG 12 |
|---|---|---|
| Waste prevention | Double-sided printing, digital records, reduced single-use plastics | Reduces material demand and waste generation. |
| Recycling | Segregated collection of paper, plastic, glass and aluminum | Returns materials to productive use. |
| Organic recovery | 400 t/year; composting/recycling pathways | Supports nutrient/resource recovery and landfill diversion. |
| Inorganic management | 95 t/year with source segregation and recycling | Improves circular material management. |
| Hazardous waste | Dedicated separation, storage and approved disposal | Reduces environmental and health risks. |