



12.3.1. Waste Tracking

1. Waste Reduction and Minimisation

- Digital learning tools, **Dental Simulators**, and **Anatomage** reduce the use of paper and biological specimens, minimizing biomedical and paper waste.
- Reusable materials and containers are widely used across offices, laboratories, and cafeterias.

2. Waste Segregation and Tracking in academic year 2023-2024

- Waste is segregated at the source using **130 bins** distributed across campus buildings.
- Daily collection tracks volumes of different waste types:
 - **Paper:** 65.5 tons
 - **Plastic:** 142.2 tons in academic year 2023-2024
 - **Organic:** 0.26 tons (including garden residues and lab biological waste) in academic year 2023-2024
 - **Inorganic non-toxic:** 207.7 tons academic year 2023-2024

3. Waste Treatment and Resource Recovery in academic year 2023-2024

- **Paper:** 28 tons reused, 5 tons down-cycled, 4 tons up-cycled
- **Plastic:** 11 tons reused, 23 tons down-cycled, 31 tons up-cycled
- **Organic waste:** 0.02 tons reused, 0.02 tons down-cycled, 0.03 tons up-cycled
- Collaboration with certified recycling companies ensures proper disposal and material recovery.

4. Wastewater Management in academic year 2023-2024

- All wastewater is safely collected and treated through the **Menoufia Governorate Drinking Water and Sanitation Company** municipal facilities, meeting national environmental standards.

5. Monitoring and Continuous Improvement

- Annual tracking of waste generation and treatment.
- Data-driven adjustments are made to improve reduction, reuse, and recycling practices.