Report on SDG 6: Clean Water and Sanitation at Al-Turath University

Reporting period: calendar year 2025 and academic year 2024-25

Committee: Al-Turath University SDG Impact Committee

Web page: https://uoturath.edu.iq/en/sustainabledevelopment/water-and-sanitation/

Introduction

Al-Turath University (TU) works toward SDG 6 by managing water use on campus, installing smart irrigation and water-saving devices, encouraging the reuse of treated water, educating students and the community about water, and supporting research on water treatment. This report is organized by the THE Sustainability Impact Ratings 2027 indicators for SDG 6, so each section documents one indicator.

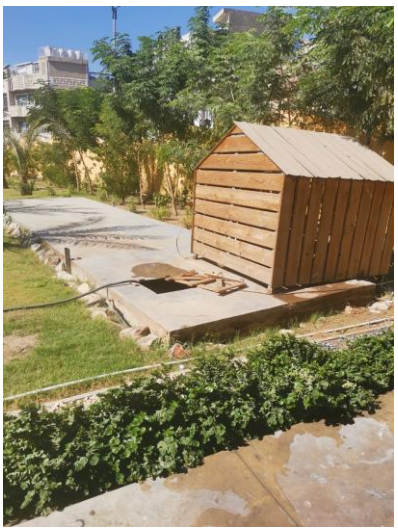
TU presented its sustainable development work at the First Central Festival for Sustainable Development in Baghdad in August 2025, held under the patronage of the Minister of Higher Education, and the university tags the article under SDG 6 (https://uoturath.edu.iq/en/2025/08/sustainable-leadership/). TU's SDG 6 page describes five areas of work: water awareness, water research, sanitation projects, sustainable practices and partnerships (https://uoturath.edu.iq/en/sustainabledevelopment/water-and-sanitation/).

2. Water care and sanitation on campus (6.3)

- **Wastewater treatment (6.3.1).** Most wastewater from the campus is sent to the municipal sewer network treated on site (shown in the photos below) which used to irrigate the green areas of TU: TU has a big underground water processing plant handle more than 70% of water testament on campus. This water used to water the green areas of the university. laboratories, the dental hospital and the Medical Center go through different sanitation process before transfer to this plant.
- **Preventing polluted water (6.3.2).** TU has a contract with local company to take care of the chemical and polluted water from labs.
- **Free drinking water (6.3.3).** drinking-water points or coolers are available free of charge to students, staff and visitors, over around campus in addition to cafeterias and funding machines which have a caned water with minor charge.
- **Water-conscious buildings (6.3.4).** TU uses devices that reduce water consumption in its health facilities, and the university reports clean bathrooms as part of its sanitation facilities (Al-Turath University Sustainability Magazine, p. 16) (https://uoturath.edu.iq/wp-content/uploads/2026/11/sdg-magazine-2026-en.pdf).
- **Drought-tolerant planting and smart irrigation (6.3.5).** TU installs smart irrigation systems for green spaces using technology that reduces waste (Al-Turath University Sustainability Magazine, p. 16) (https://uoturath.edu.iq/wp-content/uploads/2026/11/sdg-magazine-2026-en.pdf). The photos below show the campus gardens, with date palms, shrubs and lawn, and water lines laid across the green areas to feed them.



Garden in front of the main building: lawn, date palm and shrubs, with irrigation lines across the grass



Garden area with date palms, trees and shrubs, and irrigation lines running along the planting beds

3. Water reuse (6.4)

TU encourages the reuse of treated water, which contributes to efficiency and sustainability (Al-Turath University Sustainability Magazine, p. 16). Its SDG 6 page lists “reusing treated water and reducing waste” among its sustainable practices (https://uoturath.edu.iq/en/sustainabledevelopment/water-and-sanitation/).

The photos below show a concrete underground water tank with an access hatch and float, fitted with a wooden protective cover and connected by hoses to the irrigation lines of the garden. This water comes from water treatment plant.



Underground water tank with access hatch and float, connected by hose to the garden irrigation



Tank hatch and pipework during installation of the plaza landscaping

4. Water in the community (6.5)

- **Education on water management (6.5.1, 6.5.6).** TU integrates water management and environmental sustainability into lectures and symposiums and encourages students to carry out research on water scarcity, pollution and water resources management (Al-Turath University Sustainability Magazine, p. 16) (https://uoturath.edu.iq/wp-

content/uploads/2026/11/sdg-magazine-2026-en.pdf). Its SDG 6 page lists workshops and lectures on water management, sustainable use and the role of water in daily life (https://uoturath.edu.iq/en/sustainabledevelopment/water-and-sanitation/).

- **Symposium on the rivers of Iraq (6.5.7).** TU organized a symposium on the rivers of Iraq, in which faculty members and students discussed ways to combat pollution and to rationalize water use, with the Tigris and Euphrates described as the arteries of life for agriculture, drinking water and industry (Al-Turath University Sustainability Magazine, p. 32). (https://uoturath.edu.iq/wp-content/uploads/2026/11/sdg-magazine-2026-en.pdf).
- **Tigris River clean-up campaign (6.5.3, 6.5.7).** TU mobilized students for a campaign to clean the banks of the Tigris River, in which dozens of students took part, raising awareness of the importance of keeping the river clean (Al-Turath University Sustainability Magazine, p. 32). (https://uoturath.edu.iq/wp-content/uploads/2026/11/sdg-magazine-2026-en.pdf).
- **Research on water treatment (6.5.4).** In May 2025 Ms. Marwa Mohsen Jiad of the Department of Oil and Gas Refining Engineering, College of Engineering, published a study with colleagues from the University of Baghdad and Al-Qadisiyah University on treating oil-refinery wastewater, using Electro-Fenton and photocatalytic processes, in *Environmental Technology Reviews* (Taylor & Francis; Q1 in Scopus). TU describes it as contributing to SDG 6 (https://uoturath.edu.iq/en/2025/05/marwa-achievment/). The Al-Turath University Sustainability Magazine reports that she also obtained a patent registered with the Central Organization for Standardization and Quality Control in wastewater treatment for oil refineries (p. 32). (https://uoturath.edu.iq/wp-content/uploads/2026/11/sdg-magazine-2026-en.pdf).
- **Partnerships.** TU's SDG 6 page states the aim of building ties with local and international institutions working on water and sanitation (https://uoturath.edu.iq/en/sustainabledevelopment/water-and-sanitation/) and lists planned sanitation projects (https://uoturath.edu.iq/en/sustainabledevelopment/water-and-sanitation/).