



SDG 6: Clean water and Sanitation

Ensure availability and sustainable management of water and sanitation for all

Prof. Al-Widyan Participated as a Keynote Speaker and Chair of a Session at the Higher Education and Sustainable Development Conference

President of Amman Arab University, Professor. Mohamad Al-Widyan, participated in the proceedings of the Fifth Arab Conference “Higher Education and Sustainable Development: The Role of Universities in Achieving Sustainable Development Objectives,” which was held in Cairo - Arab Republic of Egypt, lasted two days.

As a keynote speaker, Prof. Al-Widyan addressed the field of (requirements for integrating universities into plans to achieve sustainable development objectives) and explained during the presentation that universities play an active and vital role in activating the developmental role of Arab higher education institutions, and contributing to consolidating the concept of sustainable development and disseminating the culture of moral commitment to bear responsibility towards society, the environment, and people and creating an open-minded generation that undertakes both its social and humanitarian tasks.

Prof. Al-Widyan tackled the concept of sustainable development and global classifications related to sustainable development, in addition to the role of universities in sustainability and the importance of higher

education institutions in sustainability. Prof. Al-Widyan also hinted at the obstacles confronting sustainable development, specifically the obstacles in higher education. Prof. Dr. Al-Widyan also chaired one of the sessions during the conference, which was entitled (Integrating the data of technological development and digital transformation in universities to enhance their capabilities to contribute to sustainable development), during which a number of experienced people with regard to sustainable development from several participating countries participated during this session.

It is noteworthy that Amman Arab University hosts the Arab Council for Sustainable Development, as the University recently organized the first international conference of the Arab Council for Sustainable Development at the university under the title (The Role of Arab Universities as Incubators for Sustainable Development: The Desired Reality), as this conference is one of the objectives of the Arab Council for Sustainable Development, headquartered at Amman Arab University



**The First International Conference of the Arab Council for Sustainable Development
Entitled:**

Arab Universities as Incubators for Sustainable Development: Reality and Aspiration
from
29-30/Aug/2023
(In Person)

Under the Patronage of his Excellency
Secretary General of the Association of Arab Universities, Prof. Amr Salama

Organized by
Arab Council for Sustainable Development at Amman Arab University/Jordan



A Memorandum of understanding Between AAU and the Ministry of water irrigation



The University also provides direct drinking water on campus, as well as sanitation services and Personal hygiene facilities



station water purification

This axis is considered an important and strategic axis, as water and its preservation are a religious and moral duty because of its great importance in this life, and it is directly reflected on our lives and therefore Amman Arab University has taken great importance. Steps in this field through a future vision represented in the work of the integrated station for the purification and treatment of sewage, and then exploiting it in the irrigation operations of the stations, with a capacity of approximately 4000 cubic meters per day at its highest limit, which was a direct reason for saving in the consumption of fresh water and making it An important tributary to the goal of increasing the green space in all areas of the university.



Water networks

There is a drainage network in the university for the discharge of rainwater and another network for sewage separate from each other and there is no overlap between them and one of them does not affect the other at all, where there is a special independent water tank for drinking water that feeds all the facilities of the university and there is a specialized team in the department that does everything related to the maintenance of these networks by carrying out their maintenance periodically according to a predetermined schedule for that purpose.

College of Engineering Amman Arab University Participates in the International Conference on Technology Transfer and Capitalization of the Water, Energy and Food Relationship (WEF-CAP)

Under the guidance of Professor. Mohammad Al-Widyan, President of Amman Arab University, and within a series of extracurricular activities, the University's College of Engineering participated in the work of the International Conference on Technology Transfer and Capitalization of the Water, Energy and Food Relationship (WEF-CAP) on the integrated approach between water, energy and food in the Middle East and North Africa region. The University was represented by Dr. Omar Asaad, a faculty member from the Civil Engineering Department who specializes in the field of water and environment, and Dr. Akram Mahmoud Mousa, head of the Renewable Energy Engineering Department and a specialist in the field of renewable energy at Amman Arab University, through discussion sessions at the conference.

The sessions included a group of lectures and dialogue sessions delivered by many experts and specialists in the field of water, energy, and food. On the sidelines of the conference, a group of practical experiments were presented, supported by the European Union, to preserve natural resources, water, food insecurity, and the exacerbation of the energy crisis. Participants from the Amman Arab University adopt an integrated approach between water, energy and food, harnessing modern technology, scientific research and innovation to confront these challenges.

It is noteworthy that the participation of faculty members at Amman Arab University in such scientific conferences takes time to learn about the latest joint developments between the water, energy and food sectors .Moreover, Dr. Anwar Al-Assaf, Dean of the College of Engineering at the University, indicated that its outcomes are reflected in the teaching process and the transfer of practical experience to the students of the College of Engineering at Amman Arab University.



<https://aau.edu.jo/en/news/27481>

water lab

water lab is a lab for measuring physical and properties of water (drinking and wastewater)

Using apparatus and titrimetric analysis

It will be given to students as a 3hour lecture.

It consists of the following experiments: Turbidity tests, TS and TDs tests , Conductivity test, Acidity, Alkalinity, Hardness, chloride measurement, Dissolved oxygen, BOD and COD tests.



Pioneering and Excellence