



# Ensure availability and sustainable management of water and sanitation for all

Ambassador of SDG 6:

Pr. Béchir HAMROUNI, professor of Analytical Chemistry, Director of Research Laboratory "Desalination and Water Treatment", President of the Tunisian Desalination Association and coordinator of the National Sectoral Commission for Chemistry.



## International Scientific Event on Water

The 8th Maghreb Conference on Desalination and Water Treatment (CMTDE 2022) was organized in collaboration between the University of Tunis El Manar, the Tunisian Desalination Association (TDA) and The European Desalination Society (EDS). It was devoted to advances towards providing fresh water for all, at affordable cost and at economical energy requirements. The conference overviews the most recent developments in desalination technology, its cost and extent of application, and socio-economic and environmental issues. It brought together research scientists, decision-makers, managers, design engineers, and operators from water companies, industries, government departments, consulting firms, research institutes, and universities.

Professor Moez CHAFRA, President of the University of Tunis El Manr inaugurated this 8<sup>th</sup> edition of the CMTDE by giving a speech recalling the university's efforts in the water field.



**Homage to Professor Miriam BALABAN**



**Professor Miriam Balaban**, global desalination icon, received the award in recognition of her lifelong contribution to desalination by Professor Moez CHAFRA, President of the University of Tunis El Manar. With their greatest appreciation, the University of Tunis El Manar and the Tunisian Desalination Association honor Professor Miriam BALABAN for her collaboration with the UTM and TDA to develop and disseminate research on Desalination and Water Treatment. For more than half a century, she has been a pillar of the global desalination community. Prof. Miriam Balaban is Secretary General of the European Desalination Society and the Editor-in-Chief of the journal Desalination and Water Treatment.

## World Water Day 2022 celebration

World Water Day, on 22 March every year, is about focusing attention on the importance of water. The Tunisian Desalination Association celebrated World Water Day 2022 under the theme “surface water: making the invisible visible”. A webinar followed by a debate on water-related issues was organized and broadcast to a wide audience.

Le Laboratoire de Recherche Dessalement et Traitement des Eaux (LR19ES01) et L'Association Tunisienne de Dessalement (TDA) célèbrent

UN WATER  
22 MARS  
JOURNÉE MONDIALE DE L'EAU

2022 Les Eaux Souterraines : Rendre visible l'invisible  
**WEBINAIRE**  
22 Mars 2022 | 10h - 12h

**Programme**

**Conférences-débats :**

10H00-10H45 : Conférence 1 : Le rôle de la chimie pour face à la pénurie d'eau, Prof. Béchir HAMROUNI.  
10H45-11H00 : Débat.

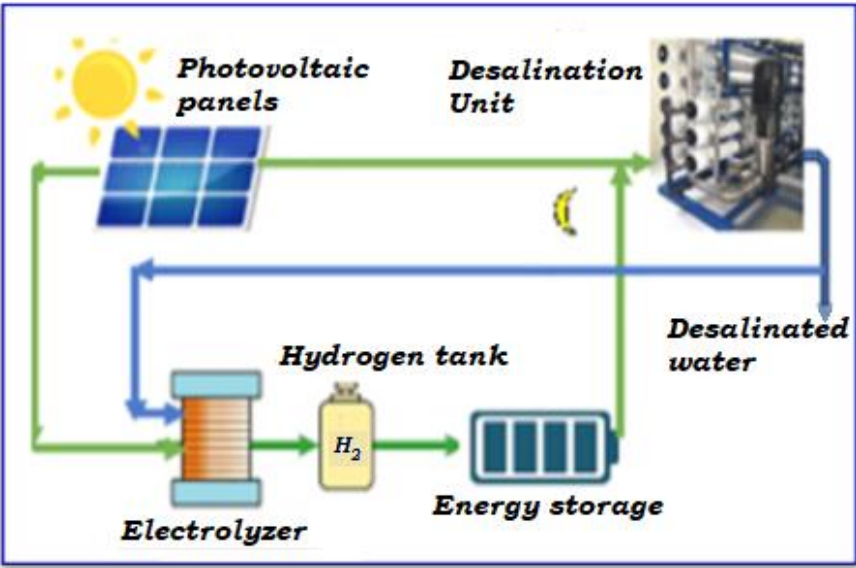
11H00-11H45 : Conférence 2 : Le transfert de la technologie du laboratoire à l'industrie, Dr. Khaled BRAHMI.  
11H45-12H00 : Débat.

**Participation gratuite**  
Une attestation sera délivrée aux participants inscrits au lien : <https://forms.gle/FEveTDZgFABukAGDS>

Logos: LRDT, TDA, Université de Tunis El Manar, Faculté des Sciences de Tunis, ED-EST, MISTM, Université de Gafsa.

An innovative research project (H2PVWater) is launched in collaboration between two laboratories from Tunis El Manar University, a laboratory from Gafsa University, the National Water Exploitation and Distribution Company, the Ministry of National Defense, and the Tunisian Desalination Association. The Project consists of creating a prototype of an autonomous and intelligent vapor compression desalination installation using photovoltaic panels to provide direct and indirect electrical energy. For the non-sunny period, the installation operates with green hydrogen produced by electrolysis of desalinated water. This installation is suitable for seawater and brackish waters and designed to produce 10 m<sup>3</sup> of desalinated water per day. The total mass of hydrogen required is around 2000 kg/year, also used for lighting and accessory uses.

# UTM collaboration with its environment



## Tunisia strategy “WATER 2050”

UTM contribute to the development of the vision and strategy for the water sector by 2050 for Tunisia “WATER 2050” conducted by The Resources Office of Planning and Hydraulic Balances (Minister of Agriculture, of Maritime Fisheries and Hydraulic).

The final report which was discussed in October 2022 identified 15 recommendations for WATER 2050 in Tunisia, the 5th and 6th of which concern the strengthening of desalination capacities and reuse of treated wastewater.

