



## Invitation to Submit Paper

The authors are kindly encouraged to submit their extended abstracts and e-posters. UWTC2021 has teamed up with the special Scopus journals issue on Advances in Environmental Technology (AET) and Journal of Renewable Energy & Environment (JREE). Selected high-impact full-text papers will also be considered for the special journals issues.



## Virtual Water Expo

Virtual water exhibition in 3rd international congress on water desalination will bring together experts and business leaders and will provide the best opportunity for investors, entrepreneurs, and equipment manufacturers to introduce their products and innovations besides exchange of experiences and ideas leading to the development of the water sector.

In order to increase participation and create a technological network to solve water problems in zones under water stress, no fees will be charged.

Given the recent COVID-19 situation and uncertain travel outlook, the international congress on water desalination will take place as a fully virtual event.

Academics, technologists, R&D institutions, and knowledge-based companies are invited to present their extended abstract/technology in line with the goals of the congress. Also, the virtual exhibition will be held and you can display your products, services, solutions, and innovations.

### Congress Structure

- Keynote presentation by keynote speakers
- Presentation by contributing participants
- Poster presentation
- Exhibition

### Congress Language

The official language of the conference will be English.

**Free registration for contributors and listeners**

### Contact

[unconventional.waters@gmail.com](mailto:unconventional.waters@gmail.com)

<http://seminars.usb.ac.ir/uwtc>

## 3rd International Congress on Water Desalination

Application of Advanced Technologies in Unconventional Water Treatment for Zones Under Water Stress  
September 14-16, 2021 • VIRTUAL



Faculty of Engineering,  
University of Sistan and  
Bluchestan



Iranian Research  
Organization for Science  
and Technology (IROST)

### In Cooperation with:



Shahid  
Beheshti  
University





## Introduction

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The increase in population and demand for clean water, as well as deterioration of water resource quality and quantity, are grand challenges of the century 21<sup>st</sup>. Moreover, global climate change accentuates the already uneven distribution of freshwater, destabilizing the supply in water-stressed regions. Treatment of unconventional waters including; reclamation or reuse water and wastewaters, seawater desalination, water loss reduction, deep groundwater uptake, fog collection, and virtual water would be great potentials to augment water supply in the countries facing water scarcity. For instance, the province of Sistan and Baluchestan in Iran is of the areas with a supply shortage of clean water. Effective and reliable methods are needed to anchor the advanced technologies to water and energy management with considerations to prevent potential human health and environmental risks. This task would be fulfilled through cost-benefit research and technology development to evaluate the applicability of these advanced technologies for water treatment.



## Congress Topics

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- ◆ Treatment, and reclamation of water and wastewater
- ◆ Desalination of brackish water, seawater, and saline water
- ◆ Minimization, treatment, and reuse of desalination plants wastewaters
- ◆ Decentralized water/wastewater treatment processes
- ◆ Deep groundwater uptake
- ◆ Rainfall/Stormwater collection and treatment
- ◆ Water collection from fog and humid air
- ◆ Water loss reduction
- ◆ Water, energy, and environment nexus
- ◆ Monitoring and control of water resources using satellite technology
- ◆ Covid-19/other infections in water and wastewater
- ◆ Water technological innovation system



## Objectives

- ◆ To share the knowledge and experiences from the academia, private sector, water associations, governments, and development banks on the use of

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unconventional desalinated water, wastewater, rainwater, as well as the related technologies for supplying clean water to deprived zones such as Sistan and Baluchestan.

- ◆ Discussions on collaboration between the public-private knowledge owners and financing sectors present opportunities in scaling up unconventional water treatment technologies for humankind usage.



## Schedule

The third international congress and exhibition on water desalination will be organized by the University of Sistan and Baluchestan of Iran and the Iranian Research Organization for Science and Technology (IROST) with online participation. Deadlines are as follows:

**Extended Abstract Submission:**

**August 1, 2021**

**Oral or Poster Presentation Announcement:**

**August 23, 2021**

**Free Exhibition Booking:**

**September 6, 2021**