



24<sup>th</sup> International Water Technology Conference  
IWTC-2024 [iwtc2019.website2.me](http://iwtc2019.website2.me)

31 October – 2 November 2024

Hurghada



Organized By:



International Water Technology Association

In co-operation with



Mansoura University



Port Said University



Badr University

Academic Organizers

- Academy of Scientific Research and Technology, (ASRT), *Egypt.*
- Arab Water Council, (AWC), *Egypt.*
- French Geological Survey (BRGM), France's Public Institution in Earth Science Applications, *France*
- Holding Company for Water and Wastewater, *Egypt*
- Kuwait Institute for Scientific Research (KISR), *Kuwait*
- National Research Council (CNR), *Italy*
- Shirshov Institute of Oceanology, RAS, *Russia*



Objectives

*This edition of International Water Technology Conference is the twenty fourth of event series initiated by The International Water Technology Association (IWTA) twenty four years ago. The conference offers an opportunity to present and discuss the most recent technological innovations and scientific developments associated with the water resources management, water treatment technology, environmental and ecological systems, agricultural-water related issues and water infrastructure. The conference brings together researchers, scientists, water professionals, end-users, managers, decision makers and stakeholders from universities, research institutes, governmental agencies, industries and other interest groups. The conference participants will discuss and develop a general framework for minimizing and preventing the deterioration in water quality, remediation, restoration, innovative treatment technologies, energy consumption, and optimizing water resources planning and management facing scarcity. On the sidelines of the conferences, international exhibitions will be organized that offer the perfect occasion for discussing the new trends in the field of water industry. The exhibitors are contractors, manufacturers and specialized companies in water industry field.*

Conference Honorary Chairmen Board

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### Registration

Registration with accommodation for two nights: \$450

### Registration for local participants:

Registration ( without accommodation) 2000 EGP  
Registration with accommodation for two nights 6000 EGP

### Registration fees for participants cover:

- Conference briefcase and registration kit
- Opening and closing ceremonies
- Accommodation for 3 days, 2 nights at conference hotel full board per person in a double room
- Conference proceedings and publications
- Attendance to all the conference sessions, keynote talks and workshops

### Conference Topics

#### 1. Water Resources Planning and Management:

- Integrated water resources management
- Water resources for sustainable development
- Remote sensing and GIS applications
- Impacts of global and regional climate change
- Water quality and protection
- Trans-boundary water conflict and cooperation issues

#### 2. Water Treatment Technology:

- Waste water treatment technologies
- Computer applications in water treatment
- Purification plants and networks
- Hydraulic machinery
- Environmental impact assessment
- Surface and subsurface wetlands
- Water supply and sanitation technologies

#### 3. Desalination Technologies:

- Membrane based technology
- Desalination by renewable energy
- Desalination hybrid systems
- New trends in water desalination

#### 4. Groundwater Management:

- Artificial recharge and active management of aquifers
- Groundwater flow and contamination
- Integrated coastal aquifer management
- Computational groundwater

#### 5. Hydraulics and Hydraulic Structures:

- Water distribution systems analysis
- Sediment transport and modeling techniques
- Maintenance and rehabilitation of hydraulic structures
- IT applications in water infrastructure
- Coastal and harbor engineering

#### 6. Agricultural Water Issues:

- Sustainable agriculture and mega projects
- Agricultural water pollution and reuss technologies
- Low water consumption crops
- Water and food scarcity and agriculture developments

#### 7. Hydroinformatics:

- Water Resources development and modeling process
- Hybrid hydro models
- Pros and cons of hydro modeling process
- ICT applications to smart water systems
- Artificial intelligence

#### 8. Nanotechnology applications:

- Water Treatment applications
- Desalination Technologies
- Groundwater Flow applications
- Agricultural Water Issues

#### 9. AI and Water Technology:

- AI and Water Treatment Technology
- AI and Water Management
- AI and Modern Irrigation Technology

### Paper Submission Procedure

Submit your paper directly via e-mail. The paper should be prepared according to the author's guidelines posted on the conference website. Violation of the template may lead to rejection of the paper.

### Reviewing Process & Publication

- All Conference papers will be reviewed by the members of the scientific committee and distinguished professors from the academic organizations
- Selected best full papers will be published in the peer reviewed IWTJ ([iwjt.wordpress.com](http://iwjt.wordpress.com)).

Previous acceptance rate: 45% in average

### Conference Reward

There will be a reward to the best research paper in each track /topic

### Deadlines

Abstract submission	15 June 2024
Notification of acceptance	01 July 2024
Submission of revised paper	01 August 2024
Notification of acceptance	01 September 2024

### Contacts and Inquiries

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