



23<sup>rd</sup> International Water Technology Conference  
**IWTC-XXIII** [iwtc2019.website2.me](http://iwtc2019.website2.me)

10 -13 September 2020

Sharm Elsheikh, Egypt

Maritim Jolie Ville Resort & Casino



Organized By:



International Water Technology Association [www.iwta.info](http://www.iwta.info)

In co-operation with



Mansoura University



Egyptian Chinese University



Port Said University



Holding Company for  
Water and Wastewater



Water Research Center



Obour University, Egypt

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*
- ✦ Kuwait Institute for Scientific Research (KISR) , *Kuwait*
- ✦ National Research Council (CNR), *Italy*
- ✦ RWTH Aachen University, (RWTHAU), *Germany*
- ✦ Shirshov Institute of Oceanology, RAS, *Russia*
- ✦ Technische Universität Berlin Campus El Gouna, (TUBGEC), *Germany*



Objectives

*This edition of International Water Technology Conference is the twenty third of event series initiated by The International Water Technology Association (IWTA) twenty two 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 have been hold that offer the perfect occasion for discussing the new trends in the field of water industry. The exhibitors are contractors, manufacturers and all specialized companies in water industry field.*

Conference Honorary Chairmen Board

- |                            |   |
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| <b>Ashraf Elshihy</b>      | President of Egyptian Chinese University, Egypt           |
| <b>Ashraf Abdel Basset</b> | President of Mansoura University, Egypt                   |
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| <b>Mamdouh Raslan</b>      | Chairman, Holding Company for Water and Wastewater, Egypt |
| <b>Hossam Moghazy</b>      | Former Minister of Water Resources and Irrigation, Egypt  |

Conference Chairman

- |                         |   |
|-------------------------|---|
| <b>Magdy Abou Rayan</b> | President of IWTA and Ex-President of MansouraUni, Egypt. |
|-------------------------|---|

Conference Vice Chairmen

- |                        |                                 |
|------------------------|---------------------------------|
| <b>Andrea Scozzari</b> | CNR-ISTI, Italy                 |
| <b>Hani Sewilam</b>    | RWTH Aachen University, Germany |

Conference Secretary General

- |                        |                             |
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| <b>Kamal El-Nahhas</b> | Suez Canal Authority, Egypt |
|------------------------|-----------------------------|

Organizing Committee

- |                            |  |
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| <b>Abd Elnaby Kabeel</b>   | Tanta University, Egypt                |
| <b>Ali Al Magar</b>        | Environment Consult, KSA               |
| <b>Ayman Ibrahim</b>       | Port-Said University, Egypt            |
| <b>Ibrahim Khalid</b>      | Matroh Water and Wastewater co, Egypt  |
| <b>Juneseok Lee</b>        | Manhattan college, Riverdale, USA      |
| <b>Lachen Benaabidate</b>  | USMBA-Fez, Morocco                     |
| <b>Mohamed Azaroual</b>    | BRGM, France                           |
| <b>Mohamed Mossad</b>      | Mansoura University, Egypt             |
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| <b>Oliver Saavedra</b>     | Universidad Privada Boliviana, Bolivia |
| <b>Safey Elden Metwaly</b> | Desert Research Center, Egypt          |
| <b>Sherine S. Ismail</b>   | NRI , NWRC, MWRI, Egypt                |
| <b>Tamim Younos</b>        | GWI Academy, Washington, DC, USA       |

## Scientific Committee

### Scientific Committee Chairmen

Andrey Kostianoy	Russian Academy of Sciences, Russia
Abdel Razik Zidan	Mansoura University, Egypt

### Scientific Committee Members:

Abdelazim Negm	Zagazig University, Egypt
Adel Alhadad	Water Research Center, Kuwait
Ahmed Rashed	Ground Water Inst, NWRC, Egypt
Amgad Alansary	Cairo University, Egypt
Amr El-Feki	Mansoura University, Egypt
Ibrahim Gar Al-Alm	Mansoura University, Egypt
Iman Elazizy	Egyptian Chinese University, Egypt
Martina Zelenáková	Technical University of Košice, Slovakia
Matthias Barjenbruch	Technical University of Berlin, Germany
Mohamed Ashour	Assuit University, Egypt
Mohamed Basiouny	Egyptian Chinese University, Egypt
Nabil Elmenshawy	Port Said University, Egypt
Nikolaos Tzoupanos	Technische Universität Berlin, Germany
Raja Ben Amar	Sfax University, Tunisia
Rifaat Abdel Wahaab	HCWW, Egypt
Saad Ragab	Virginia Tech. University, USA
Sohair I. Abou-Elela	National Research Center, Egypt

### Executive and Program Committee

Kamal El-Nahhas	Suez Canal Authority, Egypt (chairman)
Asmaa Samir	IWTA, Egypt
Nahla Ali	SCA, Egypt
Walaa Ibrahim	IWTA, Egypt
Walaa Tarek	Mansoura University, Egypt

### Registration

Registration with accommodation	\$490 USD
On-site registration fees	\$550 USD

### Registration for local participants:

Registration with accommodation	4600 EGP
Registration with accommodation for one night	2550 EGP
Without accommodation	1500 EGP

### Registration fees for participants cover:

- Conference briefcase and registration kit
- Opening and closing ceremonies
- Accommodation for 4 days, 3 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

Previous acceptance rate: 45% in average

### 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 re-use 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

#### 8. Nanotechnology applications:

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

### 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 ([iwjtj.wordpress.com](http://iwjtj.wordpress.com)).

### Conference Reward

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

### Deadlines

Submission of revised paper	15 June 2020
Notification of acceptance	15 July 2020

### Contacts and Inquiries

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