



Tuesday, March 29, 2022

8:00 am to 10:00 am Registration and Reception

10: 00 am to 11:00 am Opening Ceremonies

PLENARY SESSION

H.E. Prof.Dr. Hossam Moghazy

Former Minister of Water Resources and Irrigation

11:00 am to 11:15 am

Head of Irrigation and Hydraulics Department, Faculty of Engineering , Alexandria University

- **Untraditional Water Resources in EgyptChances and Challenges**

11:15 am to 11:30 am Exhibition Opening

11:30 am to 12:30 pm Coffee Break and Exhibition

SESSION (1) 12:30 to 2:50 pm

(Membrane technology &Desalination)

Session Chairman:

H.E.Eng. Sherif Hassan Haddara

Former Minister of Petroleum and Mineral Resources

Prof.Dr. Ahmed El Shazly

Chairman of Chemical Engineering Department - E-JUST

12:30 pm to 12:50 pm **Eng.Walid Ismail Badr** (METITO)

Presentation 1 - Egypt Water Crisis

Prof.Dr.Walid Abd El Azim (Alexandria University)

12:50 pm to 1:15 pm

Presentation 2

Use of coagulation – Ultrafiltration membrane continuous system for
Treatment of waste water containing silica nano -particals

1:15 pm to 1:40 pm **Eng.Ahmed Fathy** (WATEX)

Presentation 3 - Appraising Influences of Temperature and Concentration on High Rejection
Nano filtration and Their Application in Saline Water



W.T.T.C 2022
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1:40 pm to 2:00 pm Presentation 4	Dr : Tarek Wali - Third generation of fouling resistance membranes, Development, operation and savings	(DUPONT)
2:00 pm to 2:20 pm Presentation 5	Dr. Lobna Hussein Refaat - Water Desalination and waste water BOOT business model	(RIDGEWOOD)
2:20 pm to 2:40 pm Presentation 6	Dr. Manal El Offy - Proposed approaches for corona viruses elimination from wastewater: Membrane techniques and nanotechnology solutions	(Alexandria University)
2:40pm to 2:50pm	First Day Sponsor Speech	(WATEX)
2:50 pm	LUNCH	

Wednesday, March 30, 2022

SESSION (2) 09:00 to 12:05 pm
(Waste water Treatment Technology)

Session Chairman:

Prof.Dr. Mona Abd El Latif

Director City of Scientific Research And Technological Applications ,SRTA City

Eng.Mahmoud Mohamed Nafee

Chairman & CEO of Alex.sanitary Drainage company

9:00 am to 9:20 am Presentation 7	Dr. Helaley A.H. Helaley - TOWARDS EGYPTIAN STORMWATER POLLUTION PREVENTION	(Alex.sanitary Drainage company)
9:20 am to 9:40 am Presentation 8	Mr. Simone Pellizzari NCR BIOCHEMICAL latest biotechnologies for Waste Water Treatment	(NCR BIOCHEMICAL)
9:40 am to 10:00 am Presentation 9	Eng: Gerard Mèlich Revolutionary advance in water desalination using closed circuit reverse osmosis system	(DUPONT)



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10:00 am to 10:20 am Presentation 10	Eng: Amr Eladawy Water Resources Management as Sustainable Approach (Abu Qir Fertilizers Co)
10:20 am to 10:50 am Key note speaker	H.E.Prof.Dr.Hussein I.El Atfy (Former Minister of Water Resources & Irrigation Of EGYPT) Climate security towards achieving SDGS in arab region
10:50 am to 11:10 am Presentation 11	Luca Quadri & Neslican Uzkurt Kaljunen (VEOLIA) - Biological Solutions for Treatment of Complex Industrial Wastewaters-Case Studies and Examples from Oil & Gas, Pharmaceutical Production and Chemical Industries
11:10 am to 11:30 am Presentation 12	Dr. Dalia Younis (Arab academy for science and technology) - Application of Artificial Intelligence to Wastewater Treatment (Technology, Economy, Management) and Wastewater Reuse
11:30 am to 11:50 Pm Presentation 13	Mr. Ingo Königs (KURITA) - Kurita´s biofilm control agent for membrane systems: Kuriverter™ IK-110
11:50 Pm to 12:05 pm Presentation 14	Eng Hassanen Elmamlouk (IETOS) Waste water recycle in different industries
12:05 Pm to 12:30 pm	Coffee Break and Exhibition

SESSION (3) 12:30 to 02:55 pm
(Waste Water & Cooling Water Technology)

Session Chairman:

Dr. Walid Abd El Azim

Vice Dean for Community service & Environmental Affairs ,Faculty of Engineering,
Alexandria University - Former Head of Sanitary Engineering Department

Dr. Manal Gaber El offy

Deputy Head of Nuclear and chemical Engineering Division , Egyptian Engineers Syndicate

Dr. Samia Massoud Mohamed (EWATEC)

12:30 pm to 12:50 pm Presentation 15	- Techno-economic Integrated Approach for Sustainable Management and Reuse of Pharmaceutical Wastewaters
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12:50 pm to 1:15 pm	Sergio Grimaldi	(Solenis)
Presentation 16	- Solenis Formula for Sustainability Success	
1:15 pm to 1:35 pm	Dr.Mohamed A. El-Khateeb¹, Dr.Medhat EL-Shiekh	(National Research Centre, Arab Organization of Industrialization)
Presentation 17	- Optimization method for industrial wastewater treatment from paint booth in aircraft factory - Arab Organization for Industrialization	
1:35 pm to 2:00 pm	Mr. Paul Reulen	(KURITA)
Presentation 18	- Cetamine® – Film Forming Amine technology for improved boiler efficiency	
2:00 pm to 2:25 pm	Mr. Orazio Illario	(NALCO)
Presentation 19	- PURATE case study	
2:25 pm to 2:45 pm	Chemist / Hany Abdel Gwad Saber	(EFIC)
Presentation 20	- Polyamine program for boiler water treatment instead of Hydrazine and Tri sodium phosphate	
2:45 pm to 2:55 pm	Second Day Sponsor Speech	(KURITA)
	- Mr. Anton Albert	
2:55 pm	LUNCH	

Thursday, March 31, 2022

SESSION (4) 09:00 – 11:50 am

(Sustainability and Development)

Session Chairman:

Eng.Ahmed Gaber

Chairman & CEO of General Authority of Alexandria water Company

Ch.Hossam Mohamed El - Fahmy

Chairman & CEO of Petrochemicals logistic Services PLS

9:00 am to 9:20 am	Mohamed Magdy Metwally	(ETHYDCO)
Presentation 21	- ETHYDCO's Operational Excellence Model to achieve Sustainability	
9:20 am to 9:40 am	Dr. Chemist. Maisa Salah El-Din	(Alexandria water Company)
Presentation 22	- MAGNETIC WATER TREATMENT TECHNOLOGY	



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9:40 am to 10:00 am

Presentation 23

Eng.Marwa Ramadan

(Abu Qir Fertilizers Co)

Sustainable development goals (SDGS) and their implementation in fertilizers industry (case study AFC)

10:00am to 10:20 am

Presentation 24

Dr. Eng.Mahmoud Nafee

(Alex.sanitary Drainage company)

- A case study: development of water resources. The reuse of agricultural drains and treated effluent water of Alexandria.

Academia Industry Platform

Readiness To COP 27

Water Energy Food NEXUS

10:20 am to 11:50 am

H.E.Prof.Dr.Abd El Aziz Konsowa

President of Alexandria University-former governor of Alexandria

H.E.Prof.Dr.Mahmoud Abo Zaied

Former Minister of Water Resources and Irrigation

President of the Arab Water Council (AWC)

H.E.Eng. Sherif Haddara

Former Minister of Petroleum and Mineral Resources

Eng. Abed Ezz El-Regal

Abu Qir Fertilizers Co. Chairman

CEO - Conference President

Coffee Break and Exhibition

SESSION (5) 12:30 – 2:00 pm

(Water Management Competition)

Session Chairman:

Prof.Dr. Mona Gamal El din Ibrahim

Dean of Faculty of Energy , Enviromental and Chemical and Petrochemical Engineering (E-JUST)

Prof.Dr. Amany Abd El Hamid Ismael

Dean Faculty of Science , Alexandria University



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12:30 am to 12:40 pm Presentation 25	Rehab El-Dakak Positive Salt Tolerance Modulation via Vermicompost Regulation of SOS1 Gene Expression and Antioxidant Homeostasis in Vicia faba Plant	(Alexandria University)
12:40pm to 12:50 pm Presentation 26	Mohammed Rabie (sustainable solar-powered integrated membrane distillation system for economic potable water production)	(E-JUST)
12:50 pm to 01:00 pm Presentation 27	Mahmoud Saad Abu Qir Fertilizers (ZLD) Project Case Study	(Abu Qir Fertilizers Co)
1:00 pm to 1:10 pm Presentation 28	Kingsley Safo Proposed Novel adsorbent and Photo catalyst from EAF slag for organic pollutants removal and degradation using Response Surface methodology	(E-JUST)
1:10 pm to 1:20 pm Presentation 29	Omar M. Hafez Electrocoagulation as a sustainable technology for water treatment before demineralization unit	(Helwan Fertilizers Co.)
1:20 pm to 1:30 pm Presentation 30	Fatma Fadel (From waste material to membrane fabrication technology for water membrane distillation applications)	(E-JUST)
1:30 pm to 1:40 pm Presentation 31	Omar Said Hassan Electrocoagulation and Sugar-Cane Pipe Filtration	(E-JUST)
1:40 pm to 1:50 pm Presentation 32	Mohamed Ibrahim. Abd El-wahab Optimization of the chemical materials in coagulation-flocculation process by reuse of water treatment sludge	(Abu Qir Fertilizers Co)
1:50 pm to 2:00 pm	Closing	
02:00 pm	Lunch	