

Program

First Day, 22nd of May

- 08:00 – 10:00 Registration
- 10:00 – 10:30 Opening ceremony
Mr. Isaac Herzog - President of the State of Israel
Prof. Alon Tal – Member of the Knesset
Prof. Raz Jelinek – Vice President & Dean R&D, BGU
Prof. Noam Weisbrod - BIDR Director
Prof. Amit Gross – ZIWR Director
- 10:30 – 12:00 **Session A: New perspectives in hydrology**
Prof. John Selker - A critical role of trans-generational teams in advancing hydrological measurements.
Prof. Efrat Morin - Floods in a warming climate: what are the missing puzzle pieces?
Prof. Petra Doell - Global-scale quantification of drought hazards
- 12:00 – 13:00 Lunch
- 13:00 – 14:30 **Session B: Frontiers in applied and aquatic microbiology**
Prof. Joan Rose - From Polio to COVID: environmental virology at its best
Prof. Lisa, Alvarez Cohen - Biology of emerging contaminants, do they really eventually emerge?
Prof. Damia Barcelo – Macro and micro-plastic litter and increased COVID-19 based plastic pollution in the aquatic environment and landfills: treatment, environmental risks and policy solutions
- 14:30 – 15:30 **Round table**
Dr. Eddie Cytryn, Dr. Karen Villholth
- 15:30 – 16:45 Poster session and coffee break
- 19:30 Gala Dinner and the Zuckerberg Water Prize ceremony

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- 09:00 – 11:00 **Session C: Desalination: old concepts, new horizons**
Prof. Jack Gilron: The Evolution of Modern Membrane Desalination
Prof. Menachem Elimelech: Next-Generation Desalination and Water Purification Membranes: Where Are We Now?
Prof. Ori Lahav: Resource recovery from seawater: emphasis on selective separation of Mg(II) salts
Prof. Yoram Cohen: Autonomous Optimal Operation of Distributed Membrane-Based Water Treatment and Desalination Systems
- 11:00 – 11:30 Coffee break
- 11:30 – 12:30 **Session D: Water treatment and sanitation**
Mr. Seth Siegel: Israel, Water, and the World: How a Small, Dry Country Serves as an Inspiration to Nations around the Globe
Prof. Pedro Alvarez: A Renaissance for Phage-Based Bacterial Control
- 12:30 – 14:00 Lunch and Poster Session
- 14:00 – 15:30 **Session D: Water treatment and sanitation (continuation)**
Prof. Jacob Moran-Gilad - Risk assessment and mitigation of legionellosis powered by genomics
Prof. Eberhard Morgenroth - Opportunities for greywater reuse at different scales
Prof. Janet Hering - Overcoming the barriers to achieving the environmental Sustainable Development Goals (SDGs)
- 15:30 – 16:45 **Round Table**
Prof. Sharon Walker
- 16:45 – 17:00 Closing remarks