### Agenda

**German-Israeli Cooperation in Water Technology Research Status Seminar 2024**  
**Koblenz, June 18 – 19, 2024**

**Monday, June 17, 2024**  
Arrival and Optional Individual Meetings

**Tuesday, June 18, 2024**

09:30  
Registration and coffee

10:00  
Opening and Welcome  
Dr. R. Müssner (BMBF)

10:10  
Greeting and Reflections  
Shani Edri, Dr. M. Ben Sasson (MOST, Jerusalem)

10:20  
Keynote  
Prof. Dr. Martin Jekel, Berlin

10:40  
YSEP – Young Scientist Exchange Program: Impressions from a Recent Stay in Israel
  
Miriam Urbansky

10:50  
Coffee break + posters

#### Session 1: Projects Started in 2021

Scientific presentation and discussion of collaboration projects

11:20  
Reduction Green-House Gas Emissions in the Water Treatment Sector by Integrated Technologies for Biofouling Mitigation (LowGHGWatt)
  
Dr. R. Bernstein (Ben-Gurion University of the Negev)

11:50  
Reducing CO2-Emissions from Municipal Wastewater Treatment – Comparing Different Partial Nitritation/Anammox Applications (Red-CO2-PNA)
  
Dr. Shelton Tarre (Technion, Haifa)

12:20  
  
Prof. H. Mamane and Dr. R. Negi (Tel-Aviv University)

12:50  
Lunch

13:50  
Developing an Economic Simulation-Modelling Framework as a Decision-Support Tool for Policymakers in the Water Sector (EconWatSim)
  
Dr. A. Reznik (Hebrew University of Jerusalem)

Session 2: Projects Started in 2022 and 2023

14:20  
Dynamics of Micropollutants and High Affinity Particulate Matter in Lake Kinneret and its Watershed (MICROLAKE)
  
Prof. P. Astrahan (IOLR-KLL, Migdal)

14:50  
Detection, Quantification and Treatment of Per- and Polyfluoroalkyl Substances (PFAS) in Groundwater (DEFEAT-PFAS)
  
Dr. A. Ronen (Ben-Gurion University of the Negev)

15:05  
Coffee break + posters

15:20  
Polyelectrolyte-Complex Nanofiltration: Optimal and Tunable Membrane Solution for Treatment and Reuse of Urban and Industrial Waste Water (PEC-NF)
  
Prof. V. Freger (Technion, Haifa)

15:45  
Data-Driven Sewer Asset Management in Germany and Israel (DASAM)
  
Prof. B. Fishbain (Technion, Haifa)

16:00  
Removal and Degradation Platforms Tailored for Persistent Mobile Organic Compounds in Drinking Water Sources (re:PM)
  
Prof. Y. Mishael (The Hebrew University of Jerusalem)

16:25  
Lunch

17:15  
Boarding for Rhine cruise excursion

18:00  
Cast off – Rhine cruise inc. dinner

22:30  
Approx. end of excursion at the hotel

**Wednesday, June 19, 2024**

Session 2 (Continued): Projects Started in 2022 and 2023

09:00  
Removal and Degradation Platforms Tailored for Persistent Mobile Organic Compounds in Drinking Water Sources (re:PM)
  
Prof. Y. Mishael (The Hebrew University of Jerusalem)

09:30  
Polyelectrolyte-Complex Nanofiltration: Optimal and Tunable Membrane Solution for Treatment and Reuse of Urban and Industrial Waste Water (PEC-NF)
  
Prof. V. Freger (Technion, Haifa)

10:00  
Polyelectrolyte-Complex Nanofiltration: Optimal and Tunable Membrane Solution for Treatment and Reuse of Urban and Industrial Waste Water (PEC-NF)
  
Prof. V. Freger (Technion, Haifa)

10:25  
Coffee break + posters

10:50  
Water Decontamination Through Sulfate-Radical Oxidation in a Nanoenabled Catalytic Filtration Process for Non-Potable and Potable Water Reuse (NEWR)
  
Dr. I. Zucker (Tel Aviv University)

11:15  
Reporting Back from Parallel Brainstorming Sessions – Future Responses to Water Stress and Drought in Israel and Germany

11:30  
Closing Words  
BMBF + MOST

12:40  
Lunch / End of the status seminar
The bilateral cooperation in water technology was established already in 1974. Since then, more than 162 projects with Israeli and German partners have led to trusted relations between Israeli and German researchers. The current seminar marks the 50th anniversary of this cooperation.

The objectives of the German-Israeli Water Technology Cooperation Program are:
» To improve the water situation in Israel, its direct neighbourhood and/or Germany
» To facilitate access to new markets for Israeli and German enterprises in the water and environmental sector
» To support and strengthen bilateral and multilateral cooperation in the water sector as well as facilitate cooperation between science and industry

Focal themes of the 2024 status seminar are:
» Water technology to reduce the CO2-Footprint of the water sector or to adapt to major impacts of climate change
» Economical optimisation in the water sector
» New approaches for asset management of water infrastructure
» Wastewater: recycling, reduction and reuse
» Organic micro-pollutants, pathogens and microplastic in drinking water resources and freshwater systems

In future, even stronger efforts are required to respond to the growing pressure on the global water resources. Efficient water technology and its appropriate use are key to reach the Sustainable Development Goal 6 (Ensure availability and sustainable management of water and sanitation for all) of the United Nations. The German-Israeli water technology research cooperation aims to contribute to the SDGs by securing the required innovation.

Registration

Please register at:
https://indico.scc.kit.edu/event/4029/
Registration target 18.3.2024
Participation is free of charge.

Conference Venue

Mercure Hotel Koblenz
Julius-Wegeler-Straße 6 | 56068 Koblenz | Germany | Phone: +49(0) 261 136-0
https://www.mercure-koblenz.de/en/
A limited number of hotel rooms have been reserved at the seminar venue for members of ongoing projects from the German-Israeli Cooperation in Water Technology Research and for members of the Joint Advisory Committee (JAC). Room reservations can be made via the registration tool.

Contact

Project Management Agency Karlsruhe (PTKA)
Karlsruhe Institute of Technology (KIT)
Hermann-von-Helmholtz-Platz 1 | 76344 Eggenstein-Leopoldshafen | Germany
International cooperation
Dr. Leif Wolf | Email: leif.wolf@kit.edu | Phone: +49(0)721 608-28224
Anika Sibler | Email: anika.sibler@kit.edu | Phone: +49(0)721 608-24812
Event Management
Claudia Pang | Email: claudia.pang@partner.kit.edu | Phone: +49(0)721 608-26670

YSEP

Young Scientists
Young scientists can apply for the Young Scientist Exchange Program (YSEP). YSEP is an open call for young scientists for a training period in Israel or Germany for up to 6 months, but no less than 1 month. Funding will be provided to cover all necessary expenses of the applicant’s visit abroad. For further information please refer to:
https://www.ptka.kit.edu/young-scientists-exchange-program-ysep-2275.html

Further Information

FONA: 

COGERIL: