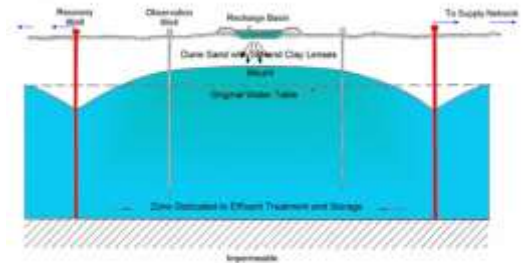


Open positions for graduate students, MSc or PhD, at the Zuckerberg Institute for Water Research, BIDR, BGU, Israel

➤ Optimization of the tertiary treatment (SAT) at the Shafdan wastewater treatment plan

We are looking at improving the SAT process, combining its hydraulic operation and biodegradation process. This project is with cooperation with Prof. Alex Furman (Technion).



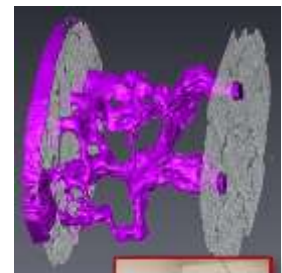
➤ Exploration and quantification of colloid facilitated transport of trace metals in fractures

Exploring and quantifying colloid facilitated transport of trace metals in fractures, emphasizing the micro-scale. This project is combining the use of state-of-the-art microscopy and visualization techniques.



➤ Experimental exploration of dynamic dissolution of salt layers during flow

Experimental exploration of dynamic dissolution of salt layers during flow in relation to the development of sinkholes along the Dead Sea (in cooperation with Drs. Ravid Rosenzweig and Dr. Eyal Shalev from the Geological Survey).



➤ Smart tracers development

Development of new, smart, tracers for usage in hydrological studies. This is part of a joint project with Northwestern University (in cooperation with Dr. Shai Arnon).



➤ Gas exchange at the Earth – atmosphere interface

Exploring and quantifying the mechanisms controlling gas exchange rates at the Earth – atmosphere interface. Work will be carried out in a Climate Controlled Laboratory and in the field.



For more information, please contact Prof. Noam Weisbrod at weisbrod@bgu.ac.il