

Starting date: ASAP

Application Deadline: 28.02.2014

Environmental Microbiologist & Environmental Organic Bio-chemist

The Zuckerberg Inst. For water Research at the J. Blausein Inst. For Desert research, Ben Gurion University of the Negev, invites applications for 1 track faculty position in Environmental Microbiology and Environmental Organic Bio-chemistry.

Location: Campus Sede Boqer, ISRAEL

Job Description:

The candidate should have scientific background in Environmental Microbiology and allied fields in relation to processes in water quality. Scientists with scientific interest and proved experience in microbiology associated with water sciences are invited to apply. The candidate is expected to develop and adapt interdisciplinary scientific research approaches to investigate the impact of biological and bio-chemical process on water quality in both natural and engineered water environments.

Examples of research themes include, **but are not limited to:**

- Microbial molecular ecology of natural and engineered water systems (groundwater, surface water, waste water treatment plants among other) in relation for nutrients cycling in water environment.
- Environmental Isotopes biogeochemistry of dissolved constituents in water environment.
- Bio-chemical process involved in transformation of emerging pollutants and contaminates in aquatic environments.
- Environmental bioengineering for preventing contamination of water sources and/or treatment of polluted water bodies (aquifers, lakes, streams etc.).

Requirements and characteristics for the new candidates:

The candidate is expected to develop and maintain a vigorous research program that will attract continued extramural funding and offer synergism with existing programs at the ZIWR. Beyond research, faculty is obliged to teach elementary and advanced courses, and guide graduate students.

Applicants must possess a Ph.D. degree and have appropriate post-doctoral or equivalent scientific experience, and demonstrate research productivity.

Interested candidates should submit curriculum vitae, scientific synopsis that includes a statement of research interests emphasizing on future research goals.

The written application should include the complete contact information for at least three references to the email weisbrod@bgu.ac.il. Review of applications will begin and continue until a candidate is selected and recruitment is complete.