

Noam Weisbrod - SHORT CURRICULUM VITAE

Professor (FULL), Zuckerberg Institute for Water Research (**ZIWR**), The Jacob Blaustein Institutes for Desert Research (**BIDR**), Ben-Gurion University of the Negev (**BGU**), Sde-Boqer Campus
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- **Major topics of interest**

Desertification process; Contaminant hydrology; Soil evaporation and salinization; Nanoparticles and colloid-facilitated transport of contaminants; Fracture flow; Gas transport at the Earth-atmosphere interface; Impact of climate conditions on soil processes; Water problems in developing countries; Recharge and infiltration processes, Desert hydrology.

- **Education**

B.Sc. 1987-1990, The Hebrew University of Jerusalem (**HUJI**), Department of Soil and Water Sciences

M.Sc. 1990-1993, HUJI, Department of Soil and Water Sciences, Awarded with distinction

Ph.D. 1994-1999, HUJI, Department of Soil and Water Sciences

Post-doctoral Fellow 1999-2001, Department of Bioengineering, OSU, USA

- **Professional Activities (partial list)**

(a) Positions in academic administration (partial list)

2021 – Director, Sde Boker campus, Ben-Gurion University of the Negev

2018 – Director (Dean), The Jacob Blaustein Institutes for Desert Research

2015 – 2018 Director, Zuckerberg Institute for Water Research

2013 – 2015 Director, Blaustein Center for Scientific Cooperation

2009 – 2015 Head, Department of Environmental Hydrology & Microbiology, ZIWR, BIDR, BGU

(b) Member of editorial board of scientific or professional journal

Associate Editor, *Vadose Zone Journal* (2006 - 2018)

Guest Editor, *Transport in Porous Media* (2015, a special issue on Drying Porous Media)

(c) Membership in professional/scientific societies

1998 - present: **AGU**; 1997 - present: **Israeli Geological Society**; 1997 - present: **Israel Association for Water Resources**; 1998 - present: **GSA**; 2006 - present: **SSSA**

(d) Professional activities and consulting (partial list)

2021 – Head, Warm's Prize Committee

2021 – Member, Michael Mirilshvili Food Security Center Steering Committee

2020 – 21 Co-Convener of two sessions entitled 'Groundwater and water scarcity in dry regions: causes, processes, regional solutions'; and 'Subsurface structures and complex dynamics in heterogeneous soils, fractured-porous media and at rock-soil interfaces' at the EGU Meeting

2019 Member of review panel, Israel – China ISF

2019 Moderator, AABGU mid-winter meeting. A symposium on desert and water research, LV, USA

2018	Organizing committee, Workshop of the future of water sciences, Chicago, USA
2018	Consultant, SQM, Chile (mining company)
2017 – 18	Member of experts committee for hydro-fracking; Ministry of infrastructure
2017 –	Member WE. The European Water Cluster
2017	Member of recruitment committee – Geological Survey, Israel
2016 – 17	Member of review panel, BSF
2016	Member of the steering committee 'Business H ₂ O – Water management best practices from USA and Israel' December, Las Vegas, Nevada, USA
2015 – 18	Member of the Scientific Advisory Board, The Water Trust, NY, USA
2015 – 16	Member of the organizing committee for the 2016 Kirkham conference, Sde-Boker, Israel
2015	Member of a review committee for the British Council proposals (Israel – UK cooperation)
2014	Member in an international evaluation panel for the 2014 regional centers, Chilean National Commission for Science and Technological Research, Santiago, Chile (CONICYT)
2014	Member of the Scientific Advisory Committee of the graduate students' conference on water related issues (organized by the Grand Water Institute of the Technion)
2014	Member of the organizing committee. The annual meeting of the Israeli Society for Water Resources, Sde- Boker, Israel
2014	Member of BGU delegation for Inner Mongolia to establish cooperation with ELION group
2014	Member of the housing committee, Albert Katz International School, BIDR
2013 – 17	Member of the steering committee: BGU – University of Chicago cooperation in water sciences
2013	Member of the Israeli delegation for the UN convention and committees to combat desertification (UNCCD), Windhoek, Namibia
2013	Member of a BIDR research team funded by the Ecuadorian government to assess the feasibility of self-sustain agricultural activity on the Galapagos Islands
2013	Member of the scientific advisory committee for WETSKILLS, Technion, Israel
2013	Member in a selection panel for the 2012 Research Team Projects Contest in Science and Technology with regional funding, CONICYT, Chile
2010 – 16	Member, the Israel Association of Water Resources inspection committee
2010 –	Member of the organizing committee of 'The International Deserts, Dryland and Desertification Conference', Sde- Boker, Israel
2009 – 11	Member, Review committee, R&D of reused wastewater, Ministry of Agriculture
2009 – 10	Member, Review committee for the Israel Science Foundation (Environment and Earth Sciences)
2004	Consultant to UNAMA (through AgroProject). Project title: Water resources in the Registan Desert, Central Asia

• Educational Activities

(a) Courses taught

1. 2003 – present, annually: ***Introduction to Vadose Zone Hydrology***
2. 2003 – present, annually: ***Field Methods in Hydrology***

3. 2008 – present, annually: ***Rural Water Development***

4. 2009, 2011 – Short courses on ***Soil and Groundwater Management*** (Peru; Australia)

(b) Research students: **Completed**: 40 M.Sc.; 10 Ph.D.; 6 post-doc. **Current**: 3 M.Sc.; 2 Ph.D.

• **Awards, Prizes, Citations**

Selected Honors, Prizes, Citations, Awards (partial list, examples)

2012 Distinguished visiting professor fellowship, The Chinese Academy of Science

2007 **Pasternak Prize** for Achievements in Research, Ben-Gurion Heritage Foundation

• **Scientific Publications** (H 37/29; Google/Scopus)

a) Chapters in books and peer-reviewed proceedings (**overall 23**; details are not shown)

b) Refereed articles in scientific journals (**overall 112**; mostly in Q1 journals)

c) Presentation of papers at conferences/meetings (overall ~**225 conference presentations**, including invited and key-note lectures; Over **50 invited seminars**; details are not shown)

• **Research Grants**

Overall at BGU since 2002: 45 grants, including **ISF** x 4, **BSF** x 3, **BARD** x 2, **GIF**, **USAID** x 2, **BMBF** x 3, **EU** x 2, **NSF** and more. Overall, more than 9.5 million US\$ (details are not shown).