Amit Gross, Ben-Gurion University of the Negev

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Prof. Amit Gross is the director of the Zuckerberg Institute for Water Research, which is part of the Jacob Blaustein Institutes for Desert Research, Ben Gurion University of the Negev (BGU). His research interests include conversion of waste to resource by treatment and efficient use of marginal water and sludge. Specifically he also studies efficient use of water for aquaculture purposes; and treatment of aquaculture effluent in recirculating aquaculture and aquaponic systems. Prof. Gross has supervised over 60 graduate students, authored/coauthored >110 peer reviewed articles and a monograph.

Professional Preparation and Appointments

2018-present	Director, Zuckerberg Institute for Water Research
2015-2018	EHM, Department head, Zuckerberg Institute for Water Research
2003-present	Researcher, Assistant, Associate and full (since 2017) professor, Ben-Gurion University
1999-2002	Post doc, "TAS Lab" environmental laboratory services and at BGU

Higher education and degrees

1997-1999	Ph.D. Soil and Water Sciences in earthen ponds, Auburn University, USA
1995-1996	M.Sc. Soil and Water Sciences in earthen ponds, Auburn University, USA
1990-1993	B.Sc. Animal Sciences, The Hebrew University of Jeruslaem

HONORS, FELLOWSHIPS:

1990-1993	Merit scholarship from the Joseph S. & Caroline Gruss Foundation, Jerusalem, Israel. 1996 Honorary member of the Gamma Sigma Delta chapter, Auburn University, USA.
2000-2002	Blaustein Fellowship for postdoctoral fellows
2020	Strage Award for Excellence in Environmental Sciences

D. Research Support

Since 2003: Grants from agencies such as (partial list): The Israel Science Foundation (ISF); Binational Agriculture Research and Development (BARD); BMBF-MOST; USAID-CDR; European Community; Israeli Ministries of Environment, Agriculture and Science; Binational Industry Research and Development (BIRD).

C. Few recent publications (of 113)

Henderson, M., Ergas, S. J., Ghebremichael, K., Gross, A., Ronen, Z. (2022). Occurrence of Antibiotic-Resistant Genes and Bacteria in Household Greywater Treated in Constructed Wetlands. Water (Switzerland), 14(5). https://doi.org/10.3390/w14050758

LeviRam, I., Gross, A., Lintern, A., Henry, R., Schang, C., Herzberg, M., McCarthy, D. 2022. Sustainable Micropollutant Bioremediation via Stormwater Biofiltration System. Water Research, 118188. https://doi.org/10.1016/J.WATRES.2022.118188.

Wang, S., Ortiz Tena , F., Dey R., Thomsen, C., Steinweg, C., Kraemer, D., Grossman Dan, A., Belete Zeslase, Y., Bernstein, R., Gross, A., Leu, S., Boussiba, S., Thomsen, L., Posten, C. .2022. Submerged hollow-fiber-ultrafiltration for harvesting microalgae used for bioremediation of a secondary wastewater. Separation and Purification Technology.

Zhu, Z., Yogev, U., Goddek, S., Yang, F., Keesman, K. J., Gross, A. 2022. Carbon dynamics and energy recovery in a novel near-zero waste aquaponics system with onsite anaerobic treatment. Science of The Total Environment, 833, 155245. https://doi.org/10.1016/j.scitotenv.2022.155245