

Dr. Tomer Malchi

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Education

B.Sc., Industrial and Labor relations, Cornell University, Ithaca, NY.	2001-2004
The Hebrew university, Faculty of agriculture	Rehovot, Israel
Ph.D., The Hebrew University of Jerusalem, Soil and Water Sciences.	2015-2021
Thesis: Psychoactive Drugs in Plants: Pharmacokinetics and Pharmacodynamics, Supervisors Benny Chefetz and Moshe Shenker	
M.Sc., Agr. The Hebrew University of Jerusalem, Soil and Water Sciences.	2011-2014
2006-2012	
B.Sc., Agr. The Hebrew University of Jerusalem, Soil and Water Sciences.	2008-2011

Publications:

- Malchi T., Eyal S., Czosnek H., Shenker M. & Chefetz B. 2021 Plant pharmacology: Insights into in-planta kinetic and dynamic processes of xenobiotics, *Critical Reviews in Environmental Science and Technology*.
- Fu, Q., Malchi T., Carter L., Li H., Gan J.J., Chefetz, B. 2019. Pharmaceutical and Personal Care Products: From Wastewater Treatment into Agro-food Systems. *Environ. Sci. Technol.*
- Goldstein, M., Malchi, T., Shenker., M and Chefetz, B., 2018. Pharmacokinetics in Plants: Carbamazepine and Its Interactions with Lamotrigine. *Environ. Sci. Technol* 52 (12): 6957–64.
- Paz, A., Tadmor G., Malchi T., Blotevogel J., Borch T., Polubesova T., Chefetz B., 2016. Fate of carbamazepine, its metabolites, and lamotrigine in soils irrigated with reclaimed wastewater: Sorption, leaching and plant uptake. *Chemosphere* 160: 22-29
- Malchi, T., Maor., J., and Chefetz, B., 2015. Comments on “Human health risk assessment of pharmaceuticals and personal care products in plant tissue due to biosolids and manure amendments, and wastewater irrigation. *Environ. Int.* 82:110-2
- Malchi, T., Maor., J., Tadmor., G., Shenker., M and Chefetz, B., 2014. Irrigation of root vegetables with treated wastewater: Evaluating uptake of pharmaceuticals and the associated human health risks. *Environ. Sci. Technol* 48: 9325-33.
- Brook, I., Malchi, T., and Nir, S. 2013. Removal of anionic detergents from water and treatment of gray water by micelle–clay composites. *DesalinWater Treat*, 1–9.

Scholarships

- The Hoffman Leadership and Responsibility Fellowship Program
- Robert H. Smith prize for excellence in agriculture

Professional Experience

CultivAid Co-Founder and Executive Director

2016-Present

CultivAid is an Israeli-international NGO, specializing in capacity building and knowledge and technology transfer initiatives with a focus on the agricultural and water sectors. CultivAid emphasizes the development of skilled local professionals through hands-on training programs, field work, and joint research to build a sustainable knowledge infrastructure.

Role description: Coordination and development of projects, directly supporting federal government and regional government in planning design and implementation of agricultural, livestock and water related development projects. Partnership development with local stakeholders, international organizations, and governments. Development of training programs and directing implementation. Conducting the organization's public relations and resource development.

Academic Head, Environmental Studies program, International School of the Faculty of Agriculture.

2021-now

- o Redevelopment of the academic program to enable a holistic approach to the environment from an agricultural perspective. Development of new courses that provide a practical approach to solving changes related to climate change. Selection and guidance to international students in the program in relation to studies, research and advanced degrees.

Board Member, Society for International Development (SID), Israel

2018-2021

Establishment of professional community of practice in Israel to enrich and support collaboration development between organizations, companies and experts in various sectors. Development and support to Israel-Ethiopia Entrepreneurship program in order to promote cooperation between young Israeli and Ethiopian Entrepreneurs.

Board Member and Project Manager, Engineers Without Borders, Israel

2011-2016

Coordination of chapter development, fundraising and grant writing while providing support for different projects throughout Israel.
Coordination of EWB projects in Tigray, Ethiopia. Projects include the design and implementation of demonstration farms and low-tech solutions in agriculture. Design and coordination of agriculture training and workshops. Over \$500,000 Fundraised for projects.

Environmental Educator, Council for the Beautification of Israel

2010-2013

Development and implementation of workshops and lectures on a variety of environmental issues. Conducting tours and lectures at the Shafdan, Wastewater treatment plant.

Languages

Hebrew (mother tongue), English (mother tongue)