

Prof. Rony Wallach - CV

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Academic Degrees

- 1979 B.Sc (with honors) Agricultural Eng., Technion, Israel.
- 1981 M.Sc Agricultural Eng., Technion, Israel.
- 1985 D.Sc Agricultural Eng., Technion, Israel.

Previous and Present Appointments

- 2009-2010 Visiting Professor, Department of Petroleum and Geosystems Engineering, University of Texas, Ausin, USA.
- 2002- Professor, Department of Soil and Water Sciences, Faculty of Agricultural Food and Environmental Sci., The Hebrew University of Jerusalem.
- 1997-2002 Associate Professor, Department of Soil and Water Sciences, Faculty of Agricultural Food and Environmental Sci., The Hebrew University of Jerusalem.
- 1995-1996 Visiting Associate Professor at the Department of Agricultural and Biological Engineering, Cornell University, USA
- 1991-1997 Senior Lecturer, Department of Soil and Water Sciences, Faculty of Agricultural Food and Environmental Sci., The Hebrew University of Jerusalem.
- 1988-1991 Lecturer, Department of Soil and Water Sciences, Faculty of Agricultural Food and Environmental Sci., The Hebrew University of Jerusalem.
- 1985-1988 Post Doctoral Fellow, UC Riverside, USA
- 1979-1985 Instructor, Faculty of Agricultural Eng., Technion, Israel.

Current research topics

- Formation of water repellent soils by prolonged effluent irrigation.
- Effect of contact angle on unstable water flow in soils.
- Plant-water relationships.
- Irrigation control using soil sensors.
- Surface runoff characterization, quantity and quality, from urban areas

Patents

1. Moshelion M and Wallach R, System for selecting plants from among a population of plants - WO Patent WO/2010/049,939, 2010.
2. Sade N, Moshelion M, Gebretsadik M, Kaldenhoff R, Wallach R, Plants producing high crop yield – WO Patent WO/2011/021190.

