

Yael G. Mishael

Curriculum Vitae

Personal Details

Date of birth: Feb. 4, 1973
Country of birth: Jerusalem, Israel
Nationality: Israel, United States
Family status: Married + 3
Work Address: Dept. of Soil and Water Sciences, The Robert H. Smith Faculty of Agriculture, Food and Environment, The Hebrew University of Jerusalem, P.O. Box 12, Rehovot 76100, Israel.
Work Tel: +972-8-9489171
E-mail: mishael@agri.huji.ac.il

Higher Education

- 1993-1996 **B.Sc.** Chemistry and Structural Molecular Biochemistry, Faculty of Natural Sci. The Hebrew University of Jerusalem.
- 1996-1999 **M.Sc. Agr. (*Magna Cum Laude*)** The Dept. of Soil and Water Sci., The Robert H. Smith Faculty of Agri., Food and Environ. The Hebrew University of Jerusalem, Rehovot, Advisors: Prof. Shlomo Nir and Dr. Giora Rytwo Thesis: Adsorption of organic cations and metolachlor on pillared clay to prepare formulations for reduced leaching. Areas of study: adsorption on clay minerals, pillared clays, organo-clays, slow-release herbicide formulations. # 1, 2, 3.
- 1999-2003 **Ph.D.** The Dept. of Soil and Water Sciences, The Robert H. Smith Faculty of Agri., Food and Environ. The Hebrew University of Jerusalem, Rehovot, Advisors: Prof. Shlomo Nir and Prof. Baruch Rubin Thesis: Slow release formulations of anionic herbicides incorporated in micelles adsorbed on a clay-mineral. Areas of study: surfactants, adsorption of surfactants on clay minerals, incorporation of herbicides in micelles, slow-release formulations of anionic herbicides, herbicide leaching. # 4, 5, 6, 7, 8.
- 2003 - 2005 **Post-doctoral fellowship** Dept. of Chemistry, Indiana University–Purdue University, Indianapolis, USA Host: Prof. Paul L. Dubin Research topic: Silica-polycation-micelle permeable reactive barrier for control of hydrophobic pollutants. Areas of study: polycation adsorption on silica and on porous silica, micelle-polymer interactions, solubilization of hydrophobic pollutants in micelles, micelle growth induced by solubilization, water purification by colloids. # 9, 10.

Appointments at Hebrew University

- 1996–2003 Teaching Assistant, The Dept. of Soil and Water Sciences, The Robert H. Smith Faculty of Agri., Food and Environ.
- 2005–2009 Lecturer, Physical chemistry of soils, The Dept. of Soil and Water Sciences, The Robert H. Smith Faculty of Agri., Food and Environ.
- 2009-present Senior Lecturer (without tenure), Physical chemistry of soils, The Dept. of Soil and Water Sciences, The Robert H. Smith Faculty of Agri., Food and Environ.

Additional Functions/Tasks at the Hebrew University

- 2007–present Member of the computer committee of the The Robert H. Smith Faculty of Agri., Food and Environ.
- 2010-present Chair of the Environmental Quality and Natural Resources in Agriculture teaching track. The Robert H. Smith Faculty of Agri., Food and Environ.

Other Activity

Membership in Professional Societies

- 2005–present The Israeli Clay Mineral Society
- 2005-present The European Clay Mineral Society
- 2005–present The Israeli Soil Science Society
- 2007–present Member of Bashaar (Academic Community for Israeli Society)
- 2008–present Member of Israeli Soil Science Society Committee
- 2009-present President of The Israeli Clay Mineral Society

Organization of conferences

- October 2007 Member of the organizing committee of the International European Weed Research Society Conference on "Novel and sustainable weed management in arid and semi-arid agro ecosystems", Rehovot, Israel.
- December 2009 Chair of the organizing committee of the annual Israeli Soil Science Society Meeting, Rehovot
- October 2010 Chair of the organizing committee of the annual Israeli Clay Mineral Society Meeting, Rehovot
- June 2011 Member of the organizing committee of the international European Clay Meeting EURO2011, Antalya, Turkey