

Shmuel Assouline is a senior researcher in the Department of Environmental Physics and Irrigation, Institute of Soil, Water and Environmental Sciences, Agricultural Research Organization – Volcani Center, Israel.

Shmuel is a soil physicist, conducting basic and applied research on flow and transport processes in saturated and unsaturated soils and on soil-plant-atmosphere relationships.

The research involves quantitative analysis and modeling beside experimental studies. The main domains of interest are soil hydraulic properties; soil structure and compaction effects; Irrigation practices and technologies; Impact of irrigation water quality on soil properties; Evaporation from soils and water reservoirs; Rainfall-infiltration-runoff-erosion relationships.

vwshmuel@agri.gov.il

<http://www.agri.gov.il/en/people/673.aspx>