

## Brief Curriculum Vitae

**SURNAME:** Salahat

**FIRST NAME:** Mohammed Ali

**TITLE:** Assistant Professor

**Affiliation and official address**

The Hashemite University  
Department of Natural Resources & the Environment  
P.O. Box 330205, ZIP: 13133  
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**Date and place of birth**

8-11-1969, Zarqa, Jordan

**Nationality**

Jordanian

### Education

Ph.D. in Agricultural and Biological Engineering, December 2006, Purdue University, West Lafayette; IN; USA  
M.Sc. in Soils and Irrigation, June 1997, University of Jordan, Amman; Jordan  
B.S. in Soils and Irrigation, June 1992, University of Jordan, Amman; Jordan

### Career/Employment

**Assistant Professor**

The Hashemite University; Zarqa; Jordan February 2007 – present

**Teacher and Research Assistant**

Purdue University, West Lafayette; IN; USA August 2003 – December 2006  
The Hashemite University, Zarqa, Jordan February 2002 - August 2003  
The University of Jordan, Amman, Jordan September 1994 - July 1997

**Sales Engineer**

Middle East Agricultural Co., Al-Khobar, KSA September 1998 - February 2002  
Irrigation systems design and sales  
Al-Battikhi & Sons Agric. & Trading Co., Amman, Jordan, July 1992-August 1994  
Irrigation systems design and sales

### Fields of Specialisation

- (i) Main field: Landuse and soil mapping
- (ii) Other fields: Soil and water conservation, natural resources and environmental management

### Field of Research

Soil erosion  
Desertification  
Water harvesting  
Landuse  
Irrigation

## **Most Recent Publications**

- 1- Al-Qinna, M. I., M. A. Salahat, and Z. Shatnawi. Effect of carbonates and gravel contents on hydraulic properties in gravely-calcareous soils. *Dirasat, Agricultural sciences*, 35: 145-158.
- 2- Braudeau E., R.H. Mohtar, N. El Ghezal, M. Crayol, M. Salahat, and P. Martin. 2009. A multi-scale “soil water structure model based on the pedostructure concept”. *Hydrol. Earth Syst. Sci. Discuss.*, 6, 1111-1163.
- 3- Salahat, M., Khattari, S., Battikhi A. Effect of Drip Irrigation Scheduling and Nitrogen Fertilization (Fertigation) on Tomato Crop in Jordan Valley. Under revision.
- 4- Salahat, M. A. Validation of WEPS and WEQ models to estimate soil wind erosion under Jordan dry conditions. Under revision.
- 5- Salahat, M. A., R. H. Mohtar, E. Braudeau. Field characterization of Indiana soils using the pedostructure concept. Under revision.
- 6- Salahat, M. A., R. H. Mohtar, E. Braudeau, and D. Schulze. Delineating functional soil mapping units using the pedostructure hierarchical concept. Under revision.