



Wessam Zahra, Ph.D

Lecturer

Career Professional History

2011 – Present

Lecturer (full time) • *Soil Department • Faculty of Agriculture, Benha University*

2007 – 2011

Assistant Lecturer (full time) • *Soil Department • Faculty of Agriculture, Benha University*

2004 – 2007

Demonstrator (full time) • *Soil Department • Faculty of Agriculture, Benha University*

Education

Doctor of Philosophy, Soil Science 2011

Benha University, Moshtohor, Qaluobeya, Egypt

Master of Science, Soil Science 2007

Benha University, Moshtohor, Qaluobeya, Egypt

Bachelor of Science, Soil Science 2003

Benha University, Moshtohor, Qaluobeya, Egypt

Expertise and Interests

- **Research**

Pedology: soil survey, soil morphology and geomorphology, land use planning

Precision farming: VRT application, spatial analysis

Remote sensing: spatial modelling, satellite image processing

- **Teaching**

Undergraduate Courses: Remote Sensing & Soil Survey, Soil Genesis & Taxonomy, Scientific Research Methods, Soil Conservation

Graduate Courses: Advanced Remote Sensing, Pedology, Land Capability and Evaluation, Soil Physics, Sustainable Tillage and Soil Conservation

Publications

Hekal, M.A.; Abdel-Salam, A.A.; Soliman, S.M.; Galal, Y.G.M.; Abdel-Moniem, M.; **Zahra, W.R.** and Moursy, A. A. (2018) Efficient Use of N and Water for Maize (*Zea Mays* L.) Crop under Drip Irrigation



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System using 15N Stable Isotope. Paper presented at the 4th International Conference on Biotechnology Applications in Agriculture (ICBAA), Benha University, Moshtohor and Hurghada, Egypt, 4-7 April 2018.

Abd El-Maaboud, I.; Abbas H.; Rashed H.S.; **Zahra, W.R.**; Afify, A.; Al-Shami, A. and Hassan, F. (2018) Land Suitability Analyses for Cultivating Certain Crops in Some Wadies of Southwest Sinai, Egypt, Using Remote Sensing Data And GIS Technique. Egyptian Journal of Applied Sciences 33 (5):184-202

Abdel-Salam, A.A.; Elhosainy, O.H.; **Zahra, W.R.**; Abdel-Salam, M.A. and Hashem, I.A. (2016) Efficiency of P and K Biofertilizers in Utilization of Soil and Rock P and K by Sorghum (*Sorghum Bicolor*) Grown on a Light Clay Torrifluent Soil. Paper presented at the 3rd Biotechnology Conference on Biotechnology Applications in Agriculture (ICBAA), Moshtohor and Shram El-Shiekh, Egypt.

Abdel-Salam, A.; Soliman, S.; Galal, Y.; **Zahra, W.**; Moursy, A. and Hekal, M. (2015) Response of Sunflower (*Helianthus annuus* L.) to N-Application and Biofertilization with Assessment of Fertilizer N Recovery by 15N Versus Subtraction Methods. Journal of Nuclear Technology in Applied Science 3 (3):157-169

Abdel-Salam, A.A.; Elhosainy, O.H.; **Zahra, W.R.**; Abdel-Salam, M.A. and Hashem, I.A. (2015) NPK Biofertilizers on Sorghum (*Sorghum Bicolor*) Grown on a Light Clay Torrifluent Soil and Interactions Among Them. Egyptian Journal of Applied Sciences 30 (7):383-400

Zahra, W.R. (2011) Precision Farming in Some Soils of El-Kalubia Governorate Using Remote Sensing and GIS Techniques. Ph.D. Dissertation, Soil Science, Benha University, Faculty of Agriculture, pp. 457

Noufal, E.H.; El-Nahry, A.H.; Salem, H.M., **Zahra, W.R.** (2010) Mapping and Modeling Soil Characteristics to Evaluate Precision Farming. Annals of Agriculture Science, Moshtohor 48 (4):129-135

Zahra, W.R. (2007) Evaluation of Soil Productivity Using Remote Sensing and GIS Techniques in Some Kalubia Soils. M.Sc. Thesis, Soil Science, Benha University, Faculty of Agriculture, pp

Memberships

Member, Egyptian Soil Sciences Society (ESSS)

References

Dr. Ali A. Abdel-Salam, Emeritus Professor, Soil Science Department, Faculty of Agriculture, Benha University, Telephone: +201110939991, E-mail address: alyabsalam@yahoo.com