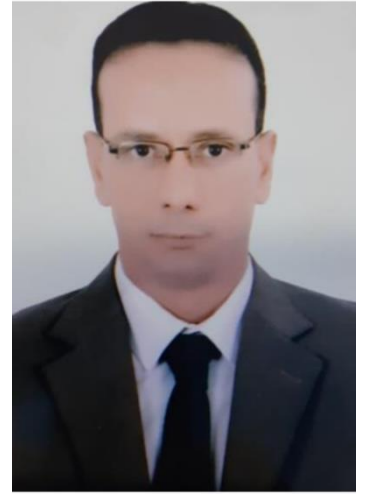


CURRICULUM VITAE of Dr. Abousrie Farag

Personal information

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of birth 27/ 09 / 1981
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Social Status Married and I have 4 Childs



Education

- B.Sc. in Agricultural Engineering Department, Zagazig University, Benha Branch, Egypton June 2003.
- M.Sc. in Water management (M.Sc. Title was: Evaluation of water flow measurement methods appropriate for On-Farm management in Egypt). on June 2007 Egypt.
- Ph.D. from department of Agriculture Engineering Faculty of agriculture, Benha university, Egypt under the title “FERTIGATION TECHNIQUE MANAGEMENT BASED ON EXPERT SYSTEM”. On April 2012.
- Post-doctor in Italy in the field of **reuse of wastewater in irrigation** during the period fromMay, 2014 until November, 2014.

Training and workshops:

- Attending the “German Science Day 2024” event organized by the DAAD Regional Office Cairo in the framework of its lighthouse project “Clusters of Scientific Innovation in the Middle East and North Africa”, abbreviated “COSIMENA” at the Conrad Cairo Hotel on Wednesday, June 5th, 2024, from 10 a.m. to 5 p.m.
- Attending the proceedings of Knowledge summit 2022 of Mohamed Bin Rashid Al Maktoum Knowledge Foundation.
- Attending the training program "Methods of measurement, evaluation and preparing the Test Item" during the 14th and 15th of September, submitted by the Center for Measurement and Evaluation at the Higher Education Development Projects ManagementUnit.
- Many workshops and short visits for ISA, Lisbon University during the period from 2016until September 2019, supported and founded by WASA project.
- Participated in workshop “Introduction session to water topics funding” on 9th December 2019 organized by ASRT & EKB.

- Participated in Introduction to patents Workshop on 11th of November 2019 organized by ASRT & EKB.
- Participated in the workshop course “Applying for E.U. Horizon 2020 research grants (sustainable agriculture and water)” at ASRT, Egypt on the 10th -11th October 2018.
- Sharing in training of TOT trainer of technical education on “Fertigation systems management”, under supporting of TEVET 2 project during the period from November, 29 until December, 2, 2018.
- Participated in the first Agriculture Cluster Conference of Cosimena, DAAD, 21st to 22nd of February 2018 in Cairo, Egypt.
- Participated in training Workshop “Introduction and exploration of projects and modelling approaches” in the IIASA Water Program 28th January to 1st February 2018 Cairo, Egypt

Positions:

- Associate professor at Agricultural and Biosystems Engineering Department, Benha Branch, Egypt since March 2020 till now.
- Lecturer at Agricultural Engineering Department, Benha University, Egypt since 2012 March 2020.
- Assistant Lecturer at Agricultural Engineering Department, Benha University, Egypt since June 2007 to June 2012.
- Demonstrator at Agricultural Engineering Department, Zagazig University, Benha Branch, Egypt since June 2003 to June 2007

Appointments:

- Principal Investigator of the international project among Italy, Portugal, Tunisia, Morocco, Turkey and Egypt under the title " **WASA**” **Water Saving in Agriculture: technological developments for the sustainable management of limited water resources in the Mediterranean area "** since 2016 until 2019 which is supported from Academic of scientific Research & Technology (ASRT). ERANETMED program
- Principal Investigator of the international project among Italy, Spain, Morocco, German and Egypt under the title " **HANDYWATER**” **Handy tools for sustainable irrigation management in Mediterranean crops**" since 2021 until 2024 which is supported from STDF. Prima program.
- Principal Investigator of the national project under the title” **Smart Irrigation System for Sustainable Water Management under Climate Change Conditions**” since 2023 until 2025. ASRT Green Fund: Climate Change Adaptation and Nature Conservation, **COP 27**.
- Coordinator of education program “Desert land reclamation and cultivation” (The study is by English language for 4 years) since September 2019 until now.
- Coordinator of the Unit of Higher Education Development Projects at Benha University. From 2016 until now.
- Head of the standard academic “Education students and supporting facilities”. since March, 2016 until now.
- Manager of animals feed mill factory since 2016 until now.
- Coordinator of Agricultural Engineering Program since 2015 until now
- Coordinator of the standard of teaching and learning since 2014 until 2017
- Computer sciences (ICDL) trainer at Benha Branch, Egypt during the period from 2014 until 2016.
- Participated in project between Egypt and Germany under this title” **Monitoring & Evaluation of Irrigation Improvement Project Water Management Irrigation System**” Research Institute (WMISRI), Ministry of Water Resources and Irrigation (MWRI), Egypt since 2004 to 2007.

Awards and conferences

- Attend The EGU24 General Assembly conference in Vienna, Austria 14–19 April 2024.
- Attend Agadir Conference "Managing Water Scarcity in River Basins: Innovation and Sustainable Development" IAV Hassan II Agadir Morocco 4 – 6 October 2018
- Kishida Award for Scientific Superiority, Given by MISR (Egypt) Society of Agricultural Engineering; 2004.

Memberships:

- Member in Egyptian Agricultural Engineering society (Misr Society of Agricultural Engineering) since 2014 until now.
- Member of society of 25 January for police officers since 2022 until now.

Main Research or Technology Topics:

- Hydraulic machines (wells, turbines and pumps)
- Irrigation systems operation and designs
- Water resources management
- Fertigation management
- Water reuse in agriculture
- Deficit irrigation
- GIS modeling
- Expert systems
- Simulation model

Computer Skiles

- AI and Machine learning.
- Power Business Intelligence (Power BI)
- ICDL Certificate,
- VisualC#.net
- GPSS World, Areana language, Simio language and Python
- Statistical analysis M-statc, Origin lab and Spss
- Arc GIS, ENVI and QGIS

Recent Relevant Publications:

1. Thomas, F., Pérez Pérez, J. G., Bonet Pérez de León, L., Martínez-Gimeno, A., Vanella, D., Consoli, S., Ramírez Cuesta, J. M., Elomari, H., **Farag, A.**, and Werban, U.: From sensors to decisions: Data flows to enhance irrigation efficiency for smallholder orchards, EGU General Assembly 2024, Vienna, Austria, 14–19 Apr 2024, EGU24-1578, <https://doi.org/10.5194/egusphere-egu24-1578>, 2024
2. Mostafa, H., **Farag, A.** (2021). Effects of irrigation systems and water stress with low water and soil quality on Quinoa yield in arid conditions. *Misr Journal of Agricultural Engineering*, 38(1), 15-26. doi: 10.21608/mjae.2020.50455.1015
3. Almoayyad, A. M.; El-Ansary, M. Y.; Awad, M. A. and **Farag, A. A.** (2019): Effect of deficitirrigation and nitrogen fertilizer on water productivity of carrot under subsurface drip irrigation system. *Annals of Agric. Sci., Moshtohor*, vol. 57 (2), 325-332.
4. Castorina, S. Consoli , S. Barbagallo, F. Branca, **A. Farag**, F. Licciardello and G. Cirelli, (2016): “Assessing environmental impacts of constructed wetland effluents for vegetable cropirrigation ” *Int J Phytoremediation*, pp. 626-633, 2016.
5. Eid, A. R.; El-Ansary, M. Y.; **Farag, A. A.**; and Sultan, W. M. (2019): Evaluation of some turf irrigation sprinklers under deficit irrigation conditions. *Misr J. Ag. Eng.*, 36 (2): 445 - 456
6. El-Ansary, M.Y.; Awad, M.A.; Nassar, A.A. and **Farag, A.A.** (2010): Calibration of three common flow measurement devices for open channels. *Misr J. Agric. Eng. Vol. 321 No. (1):151-169.*
7. **Farag, A. A.** (2010) FERTIGATION TECHNIQUE MANAGEMENT BASED ON EXPERTSYSTEM. E-*AFRICA 2010. eAfrica2010 - 1st International ICST Conference on e-services for Agriculture, Food, Environment and Life Sciences in Africa.*
8. **Farag, A.A.**, Atta, Y. and El-Komy, M. (2017):"A comparative study between the effects of gated pipes and traditional irrigation systems on the main properties of soil, drainage water and water use efficiency under wheat and maize crops," in international Sino-EgyptianCongress on Agriculture, Veterinary Sciences and Engineering (2nd\SEC-AVE), Benha,Egypt, 2017.
9. **Farag, A. A.** (2018): Irrigation management of pepper crop under surface and sub-surface drip irrigation systems by using expert system, IRRIMET and CropWat. *Misr J. Agric. Eng.*, 35 (4):1293-1308
10. **Farag, A. A.** and Ferrarie, M. I. (2018): Influence of deficit irrigation and partial dry of root zone on squash crop yield and water use efficiency. *Misr J. Agric. Eng.*, 35(4): 1271-1292
11. **Farag A. A.**, Atta, Y. M. and El-komy, M. S. (2019). EFFECT OF IRRIGATION BY GATEDPIPES AND TRADITIONAL IRRIGATION SYSTEM WITH MIXED WATER ON SOIL, DRAINAGE WATER AND CROP. *Misr J. Ag. Eng.*, 36 (3): 849 - 860

12. **Farag, A. A.**, Awad, M. A. and Afifi, M. T. (2012): Trying a fertigation program for bean using expert system. Misr J. Agric. Eng. Vol. 29 No. (1) :22-23g.
13. **Farag, A. A.** (2019). ENERGY COMSUMED, WATER PRODUCTIVITY AND VITAMIN (C) CONCENTRATION OF ORANGE CROP UNDER DIFFERENT IRRIGATION SYSTEMS. Misr J. Ag. Eng., 36 (3): 815 – 832
14. **Farag, A. A.** (2019). NUMERICAL MODELING FOR SOIL WATER MOVEMENT UNDER DEFICIT IRRIGATION AND PARTIAL ROOT ZONE DRYING. Misr J. Ag. Eng.,36 (1): 195 – 216
15. **Farag, A. A.** (2019). crop water stress index for potato under subsurface drip irrigation. Misr J. Ag. Eng., under press.
16. Shams, A. S. and **A. A. Farag**, (2019). Implications of Water Stress and Organic Fertilization on Growth, Yield and Water Productivity of Cauliflower (*Brassica oleracea* var. botrytis, L.). J. of Plant Production, Mansoura Univ., Vol 10 (10): 807 - 813, 2019.