

1. Personal Data

Name : Ahmed Saeed Fathi Abuzaid
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2. Academic Degrees

Year	Date	Degree	Institution
2007	June	Bachelor of Agricultural Sciences (Soils), Excellent with honor degree	Faculty of Agriculture, Benha University, Egypt
2010	May	Master in Soil Science	
2013	December	Doctor of Philosophy in Soil Science	

3. Academic Employments

Year	Date	Position	Place of work
2007	November 6 th	Administrator of soils	Faculty of Agriculture, Benha University, Egypt
2010	June 30 th	Assistant lecturer of soils	
2013	December 30 th	Lecturer of soils	
2019	February 27 th	Associate professor of soils (Pedology)	
2024	February 29 th	Professor of soils (Pedology)	

4. Teaching Courses

Undergraduate	Physics and agricultural meteorology
	Fundamentals of soil and water
	Soil and water analysis
	Soil genesis and classification
	Management of soil and water resources
	Applied statics in soils
	Remote sensing and soil survey
	Management of desert soils
	Soil-water-plant relationship
	Soil conservation and management
	Management and remediation of contaminated soils

Post-graduate	Land capability and evaluation
	Pedology
	Remote sensing
	Agricultural soil contamination
	Water pollution and evaluation
	Sustainable tillage and soil conservation
	Soil mineralogy
	Soil-water-plant analysis
	Specific presentation of research results

5. Training Courses

5.1. Faculty and Leadership Development (FLD)

Year	Date	Title	Place
2008	7-9, April	Ethics of Scientific Research	Faculty & Leadership Development Center (FLDC), Benha University, Egypt
2008	21-23, April	Skills of Effective Communication in Different Education Fashions	
2008	7-9, June	Financial and Legal Aspects in Universities	
2013	23-25, July	Self-evaluation and External Reviewing	
2013	23-25, July	University Management	
2013	29-31, July	Managing Time and Meetings	
2013	5-7, August	International Publishing of Scientific Research	
2016	1-3, March	Managing Electronic Sites	
2018	4-6, September	Comparative Research Projects	
2018	4-6, September	University Management	
2018	12-13, September	Self-evaluation and External Reviewing	
2018	18-20, September	Strategic Planning	
2023	9-10, January	Self-evaluation and External Reviewing	
2023	11-12, January	Managing Electronic Sites	
2023	27-28, February	Question banks and electronic tests	
2023	13-14, March	Strategic Planning	
2023	15-16, March	Organizing scientific conferences	
2023	13-14, September	Financial and legal aspects in universities	
2023	26-27, September	Managing the research team	
2023	25-26, October	University Management	
2023	30-31, October	Overall Quality Control	

5.2. Computer & Software

Year	Date	Title	Place
2010	30 Jan. – 1 Feb.	Using Computer and Management Files	Information & Communication Technology Project (ICTP), Benha University, Egypt
2010	6-8, Feb.	Word Processing	
2010	9-11, Feb.	Spreadsheets	
2013	28, August	Advanced Word	
2013	28, August	Advanced Power Point	
2016	29, Feb.	MIS Iv Bylaws and Control Affairs	Information Technology Training Unit (ITTU), Benha University
2023	2, January	Fundamentals of digital transformation	

5.3. Language

Year	Date	Title	Place
2009	17, Sept. – 6, August	Local TOEFL Test With a score of 557	Foreign Language Public Service Center, Benha University, Egypt

5.4. Others

Year	Date	Title	Place
2013	12-23, Jan.	Preparation of academic instructor	Faculty of Education, Benha University, Egypt

6. Attendance and Participation of Symposiums and Workshops

Year	Date	Title	Place
2015	8-9, Nov.	"Annual training on the use of world databases"	Benha University, Egypt
2016	5, Jan.	" Biofuels"	Academy of Scientific Research and Technology (ASRT), Egypt
2016	16, March	"Identify the sources of scientific and educational information available through the Egyptian Knowledge Bank (EKB)"	Benha University, Egypt
2016	22, March	"Towards a society that think, learn and innovates"	Benha University, Egypt
2016	4, May	" The definition and how to write projects funded by the Newton-Mosharafa Fund in the British Council and the return to the researcher and the university"	Benha University, Egypt
2016	15, Nov.	"Modern strategies in teaching and E- learning"	Faculty of Agriculture, Benha University, Egypt
2016	23, Nov.	" How to avoid plagiarism"	Benha University, Egypt
2016	20, Nov.	" The definition of how to write research projects inside and outside the university at the college level"	Benha University, Egypt
2018	19, Oct.	"SciVal"	Benha University, Egypt
2018	20, Oct.	"Applications of nanotechnology in agriculture"	A part of the educational day for students – Faculty of Agriculture, Benha University, Egypt
2018	20, Oct.	"The Egyptian Knowledge Bank (EKB)"	
2018	20, Oct.	"Specification of graduates according to the requirements of the labor market"	
2020	13, May	"Treatment of Water and Soil Salinity with Delta Water Magnetic Systems"	Online workshops
2018	20, May	"Treatment of Water and Soil Salinity with Delta Water Magnetic Systems"	
2020	6, June	"Improving the growth and quality of crops using magnetic technology using Delta Water systems and the mechanisms of plant tolerance to salinity"	
2020	13, June	"Increasing the efficiency of using water and fertilizers using magnetic technology with Delta Water devices"	

2020	27, June	“Citrus Farms: Ambitions and Challenges towards Safe and Sustainable Development”	Desert Research Center (DRC), Egypt
2020	15, July	“Modern agricultural practices in the cultivation and production of grapes for export”	
2021	10, March	“Rising Productivity Efficient with Less Water Consumption in Newly Reclaimed Sandy Soils; Case study: Soils of Suez Canal Region”	

7. Attendance and Participation of Scientific Conferences

Year	Date	Title	Place
2016	7-9, March	The 12 th international Conference of the Egyptian Soil Science Society (ESSS) – Entitled "Development of soil and water resources: Challenges and solutions"	Suez Canal University, Egypt
2016	3-4, April	The 1 st International Conference of Basic Science and Environmental Applications (ICBSEA 2016)	Fayoum University, Egypt
2016	5-9, April	The 3 rd International Conference on Biotechnology Applications in Agriculture	Moshtohor – Sharm El-Sheikh, Egypt
2016	2-5, May	The 1 st Conference on Advances in Soil Sciences	Alex, Library, Egypt
2018	4-5, December	The 13 th International Conference of the Egyptian Soil Science Society (ESSS) – Entitled "Management of water and soil resources under global climate changes"	Cairo, Egypt

8. Participation in Organizing Symposiums and Workshops

Year	Date	Title	Place
2015	17, May	How to Use Research gate and Google scholar	Soils and Water Dept. Fac. of Agric., Benha Univ., Egypt

9. Participation in Organizing Training Courses

Year	Date	Title	Place
2016	28-30, August	"Soil, Water and Plant Analysis"	Soils and Water Dept. Fac. of Agric., Benha Univ., Egypt
2018	15-19, March	Fundamentals of GIS	
2018	21-23, March	Advanced GIS	

10. Participation in Organizing Scientific Conferences

Year	Date	Title	Place
2016	5-9, April	The 3 rd International Conference on Biotechnology Applications in Agriculture	Moshtohor – Sharm El-Sheikh, Egypt
2016	20, April	The 1 st Scientific Conference for Soil and Water Department	Soils and Water Dept. Fac. of Agric., Benha Univ., Egypt
2017	19, April	The 2 nd Scientific Conference for Soil and Water Department	

2018	24, April	The 3 rd Scientific Conference for Soil and Water Department
2019	14, April	The 4 th Scientific Conference for Soil and Water Department

11. Memberships of Committees and Special Units in the Faculty

Date	Committee / Unit	Activity
2008 – until now	Soil & Water Analysis Lab	Technical supervision
2013 until now	Information Technology (IT) Unit	Department Coordinator
2015 – until now	Quality Assurance and Accreditation Unit	Department Coordinator
2016 – 2018	Agricultural Analysis and Consulting Center	Director board member
2014 – 2015	Committee of Community Service and Environmental Development	Member
2016 – 2017	Committee of Library	Member
2016 - 2017	Committee of drafting the research plan of Soil and Water department	Member
2017 – until now	Committee of Renewing and Development of Soil, Water and Plant Analysis Labs	Member
2017 – until now	Committee for organizing Seminars	Member
2018 – 2019	Committee of Laboratories and Scientific Equipment	Member
2020 – 2021	Committee of Community Service and Environmental Development	Member
2022 - 2023	Committee of Community Service and Environmental Development	Member
2022 - 2023	Academic Advising Unit	Member
2023 - Until now	Quality Assurance Unit	Coordinator
2023 - 2024	Committee of Community Service and Environmental Development	Member

12. Membership of Scientific Bodies and Assemblies

- The Egyptian Soil Science Society (ESSS)
- The International Union of Soil Sciences (IUSS)
- The Egyptian Society for Applied Plant Sciences (ESAPS)
- The Gate of Egyptian University Libraries

13. List of Research Publications

- 1) **Abuzaid, A.S. 2010.** A Pedological study on some soil of Toshka and their suitability for growing certain crops. M.Sc. Thesis, Faculty of agriculture, Benha University, Egypt.
- 2) **Abbas, H.H.; El-Hosseniy, O.H.; Mohamed, M.K. and Abuzaid, A.S. 2010.** Land capability and suitability of some soil in Toshka area, southwestern Egypt. *Annals of Agric. Sci., Moshtohor*, 48(1):1120-1137.
- 3) **Abuzaid, A.S. 2013.** Pedological and evaluation study on some soils of middle Delta. Ph.D. Thesis, Faculty of agriculture, Benha University, Egypt.
- 4) **Abd El-Hammed, A.H., Naufal, E.H., El-Husseiny, O.H., Mohamed, M.K. and Abuzaid, A.S. 2013.** Land suitability classification of some Qalubiya soils. *Annals of Agric. Sci., Moshtohor*, 51(2):147-158., DOI: [10.21608/ASSJM.2013.141791](https://doi.org/10.21608/ASSJM.2013.141791)

- 5) Bassouny, M.A., Abuzaid, A.S. and El-Sayed, M. 2016. The effect of soil composition on soil shrinkage parameters of a clayey Vertisols in north Nile Delta-Egypt. Proceeding International Conference on Advances in Soil Sciences, Alexandria, Egypt, 2-5 May (2016).
- 6) Abuzaid, A.S. 2016. Effect of fresh and sewage water irrigation on soil properties and heavy metals contamination: A case study of Tukh District, Al-Qalyubiyah Province, Egypt. Proceedings International Conference on Basic Science and Environmental Applications, Fayoum, 3-4 April (2016)
- 7) Abuzaid, A.S. 2016. Sewage effluent as an alternative source for irrigation: Impact on soil properties and heavy metal status. *Annals of Agric. Sci.*, Moshtohor, 54(2): 387-396. DOI: [10.21608/ASSJM.2016.104130](https://doi.org/10.21608/ASSJM.2016.104130)
- 8) Abuzaid, A.S. and Fadl, M.E. 2016. Land evaluation of eastern Suez Canal, Egypt using remote sensing and GIS. *Egypt. J. Soil Sci.*, 56(3): 537-548. DOI: [10.21608/EJSS.2017.1068](https://doi.org/10.21608/EJSS.2017.1068)
- 9) Bassouny, M.A. and Abuzaid, A.S. 2017. Impact of biogas slurry on some physical properties in sandy and calcareous soils, Egypt. *Int. J. Plant Soil Sci.*, 16(5): 1-11. DOI: [10.9734/IJPSS/2017/33388](https://doi.org/10.9734/IJPSS/2017/33388)
- 10) Fadl, M.E. and Abuzaid, A.S. 2017. Assessment of land suitability and water requirements for different crops in Dakhla Oasis, Western Desert, Egypt. *Int. J. Plant Soil Sci.* 16(16): 1-16. DOI: [10.9734/IJPSS/2017/33835](https://doi.org/10.9734/IJPSS/2017/33835)
- 11) Abuzaid, A.S. 2017. Spatial and temporal changes of land productivity east of the Nile River (Damietta branch), Egypt. *Egypt. J. Soil Sci.*, 57(4): 417 - 428. DOI: [10.21608/EJSS.2017.658.1083](https://doi.org/10.21608/EJSS.2017.658.1083)
- 12) Abuzaid, A.S. 2018. Soil quality indicators in Al-Qalyubia Governorate as affected by long-term wastewater irrigation. *Egypt. J. Soil Sci.*, 58(1): 1-11. DOI: [10.21608/EJSS.2017.1283.1115](https://doi.org/10.21608/EJSS.2017.1283.1115)
- 13) Abuzaid, A.S. 2018. Assessing degradation of floodplain soils in north east Nile Delta, Egypt. *Egypt. J. Soil Sci.*, 58(2): 135-146. DOI: [10.21608/EJSS.2017.1717.1130](https://doi.org/10.21608/EJSS.2017.1717.1130)
- 14) Abuzaid, A. S., Bassouny, M.A. and Abdellatif, D.A. 2018. Predicting agricultural potentiality using land degradation factors in east of Rosetta branch, Nile Delta, Egypt. *J. Soil Sci. and Agric. Eng.*, Mansoura Univ., 9(5): 229-236. DOI: [10.21608/JSSAE.2018.35725](https://doi.org/10.21608/JSSAE.2018.35725)
- 15) Abuzaid, A.S. and Fadl, M.E. 2018. Mapping potential risks of long-term wastewater irrigation in alluvial soils, Egypt. *Arab. J. Geosci.*, 11(15): 433-444. DOI: <https://doi.org/10.1007/s12517-018-3780-3>
- 16) Abuzaid, A.S. and Bassouny, M.A. 2018. Multivariate and spatial analysis of soil quality in Kafr El-Sheikh Governorate, Egypt. *J. Soil Sci. and Agric. Eng.*, Mansoura Univ., 9(8): 333-339. DOI: [10.21608/JSSAE.2018.35804](https://doi.org/10.21608/JSSAE.2018.35804)
- 17) Abuzaid, A.S. 2018. Evaluating surface water quality for irrigation in Dakahlia Governorate using water quality index and GIS. *J. Soil Sci. and Agric. Eng.*, Mansoura Univ., 9(10): 481-490.
- 18) Abuzaid, A.S., Bassouny, M.A. Jahin, H.S., Abdelhafez, A.A. 2019. Stabilization of lead and copper in a contaminated *Typic Torripsament* soil using humic substances. *Clean – Soil, Air, Water*, 47 (5): 1800309. DOI: <https://doi.org/10.1002/clen.201800309>
- 19) Abuzaid, A.S., Jahin, H.S. 2019. Profile distribution and source identification of potentially toxic elements in north Nile Delta, Egypt. *Soil and Sediment Contamination: An International Journal*, 28(6):582-600. DOI: <https://doi.org/10.1080/15320383.2019.1637818>
- 20) Jahin, H.S., Abuzaid, A.S., Abdellatif, D. Abdellatif. 2020. Using multivariate analysis to develop irrigation water quality index for surface water in Kafr El-Sheikh Governorate, Egypt. *Environmental Technology & Innovation*, 17: 100532. DOI: <https://doi.org/10.1016/j.eti.2019.100532>.
- 21) Abuzaid, A. S. and Bassouny, M.A. 2020. Total and DTPA-extractable forms of potentially toxic metals in soils of rice fields, north Nile Delta of Egypt. *Environmental Technology & Innovation*, 18: 100717, DOI: <https://doi.org/10.1016/j.eti.2020.100717>
- 22) Abbas, H. H., Abuzaid, A. S., Yaccub, R. K. and Mostafa, A. M. 2020. Land evaluation of east Qattara depression, Egypt using remote sensing and GIS. *Annals of Agricultural Science*, Moshtohor, 59 (5): 777 – 790, DOI: [10.21608/ASSJM.2021.195438](https://doi.org/10.21608/ASSJM.2021.195438)

- 23) Abbas, H.H., **Abuzaid, A.S.**, Jahin, H.S. and Kasim, D.S. 2020. Assessing the quality of untraditional water sources for irrigation purposes in Al-Qalubiya Governorate, Egypt. Egyptian Journal of Soil Science, 60 (2): 157 – 166. DOI: [10.21608/EJSS.2020.24569.1343](https://doi.org/10.21608/EJSS.2020.24569.1343)
- 24) **Abuzaid, A.S.** and Jahin, H. S. 2021. Changes in alluvial soil quality under long-term irrigation with two marginal water sources in an arid environment. Egyptian Journal of Soil Science, 61 (1): 113 – 128, DOI: [10.21608/EJSS.2021.58211.1426](https://doi.org/10.21608/EJSS.2021.58211.1426)
- 25) **Abuzaid, A. S.** and Jahin, H. S. 2021. Implications of irrigation water quality on shallow groundwater in the Nile Delta of Egypt: A human health risk prospective. Environmental Technology & Innovation, 22: 101383, DOI: <https://doi.org/10.1016/j.eti.2021.101383>
- 26) Abdelatif, D. A. and **Abuzaid, A. S.** 2021. Integration of multivariate analysis and spatial modeling to assess agricultural potentiality in Farafra Oasis, western desert of Egypt. Egyptian Journal of Soil Science, 61 (2): 201 – 218, DOI: [10.21608/EJSS.2021.71312.1440](https://doi.org/10.21608/EJSS.2021.71312.1440)
- 27) **Abuzaid, A.S.**, Abdelatif, D.A. and Fadl, M.E. 2021. Modeling soil quality in Dakahlia Governorate, Egypt using GIS techniques, The Egyptian Journal of Remote Sensing and Space Sciences, 24: 255-264. DOI: <https://doi.org/10.1016/j.ejrs.2020.01.003>
- 28) **Abuzaid, A.S.**, AbdelRahman, M. E., Fadl, M. E. and Scopa, A. 2021. Land degradation vulnerability mapping in a newly-reclaimed desert oasis in a hyper-arid agro-ecosystem using AHP and geospatial techniques. Agronomy, 11: 1426, DOI: <https://doi.org/10.3390/agronomy11071426>
- 29) **Abuzaid, A. S.**, Jahin, H. S., Assad, A. A., Fadl, M. E., AbdelRahman, M. E. and Scopa, A. 2021. Accumulation of potentially toxic metals in Egyptian alluvial soils, berseem clover (*Trifolium alexandrinum* L.), and groundwater after long-term wastewater irrigation. Agriculture, 11: 713, DOI: <https://doi.org/10.3390/agriculture11080713>
- 30) Fadl, M. E., **Abuzaid, A. S.**, AbdelRahman, M. E. and Biswas, A. 2021. Evaluation of Desertification severity in El-Farafra oasis, western desert of Egypt: Application of modified MEDALUS approach using wind erosion index and factor analysis. Land, 11: 54, DOI: <https://doi.org/10.3390/land11010054>
- 31) Fathy, H. A., Abdel-Salam, M. A., **Abuzaid, A. S.** and Ahmad, A. F. 2021. Monitoring accumulation of Mn, Pb and Zn in surface soils after long-term irrigation with low-quality water: A case study of southeast and middle Nile Delta, Egypt. Annals of Agricultural Sciences, Moshtohor, 59(4): 1029 – 1040, DOI: [10.21608/ASSJM.2021.215740](https://doi.org/10.21608/ASSJM.2021.215740)
- 32) Saad, A. M., **Abuzaid, A. S.**, Eid, R. S. 2021. Assessing faba bean yield and quality as affected by various phosphorus sources and lithovit levels. Annals of Agricultural Sciences, Moshtohor, 59(5): 817 – 830, DOI: [10.21608/assjm.2021.195443](https://doi.org/10.21608/assjm.2021.195443)
- 33) **Abuzaid, A. S.**, Abdel-Salam, M. A., Ahmad, A. F., Fathy, H. A., Fadl, M. E. and Scopa, A. 2022. Effect of marginal-quality irrigation on accumulation of some heavy metals (Mn, Pb, and Zn) in *TypicTorripsamment* soils and food crops. Sustainability, 14: 1067, DOI: <https://doi.org/10.3390/su14031067>
- 34) **Abuzaid, A. S.** and Jahin, H. S. 2022. Combinations of multivariate statistical analysis and analytical hierarchical process for indexing surface water quality under arid conditions. Journal of Contaminant Hydrology, 248: 104005, DOI: <https://doi.org/10.1016/j.jconhyd.2022.104005>
- 35) **Abuzaid, A. S.**, Mazrou, Y. S., El Baroudy, A. A., Ding, Z. and Shokr, M. S. 2022. Multi-indicator and geospatial based approaches for assessing variation of land quality in arid agroecosystems. Sustainability, 14: 5840, DOI: <https://doi.org/10.3390/su14105840>
- 36) **Abuzaid, A. S.** and El-Husseiny, A. M. 2022. Modeling crop suitability under micro irrigation using a hybrid AHP-GIS approach. Arabian Journal of Geosciences, 15: 1217, DOI: <https://doi.org/10.1007/s12517-022-10486-8>
- 37) **Abuzaid, A. S.** and Abdelatif, D. A. 2022. Assessment of desertification using modified MEDALUS model in the north Nile Delta, Egypt. Geoderma, 405: 115400, DOI: <https://doi.org/10.1016/j.geoderma.2021.115400>

- 38) Shokr, M. S., Abdellatif, M. A., El Behairy, R. A., Abdelhameed, H. H. El Baroudy, A. A., Mohamed, E. S., Rebouh, N. Y. Ding, Z. and Abuzaid, A. S. 2022. Assessment of potential heavy metal contamination hazards based on GIS and multivariate analysis in some Mediterranean zones. *Agronomy*, 12, 3220, DOI: <https://doi.org/10.3390/agronomy12123220>
- 39) Abuzaid, A. S., Jahin, H. S., Shokr, M. S., El Baroudy, A. A., Mohamed, E. S., Rebouh, N. Y. and Bassouny, M. A. 2023. A novel regional-scale assessment of soil metal pollution in arid agroecosystems. *Agronomy*, 13: 161, DOI: <https://doi.org/10.3390/agronomy13010161>
- 40) Fadl, M. E., Jalhoum, M. E., AbdelRahman, M. A., Ali, E. A., Zahra, W. R., Abuzaid, A. S., Fiorentino, C., D'Antonio, P., Belal, A., Scopa, A. 2023. Soil salinity assessing and mapping using several statistical and distribution techniques in arid and semi-arid ecosystems, Egypt. *Agronomy*, 13: 583, DOI: <https://doi.org/10.3390/agronomy13020583>
- 41) Abdel-Motalib, M. A., Abuzaid, A. S., Badr, L A. 2023. Effect of human urine and foliar spray with *Spirulina platensis* extract on growth, yield, and quality of lettuce plants in pots. *Annals of Agric. Sci., Moshtohor*, 61(1): 187-200. DOI: [10.21608/ASSJM.2023.309918](https://doi.org/10.21608/ASSJM.2023.309918)
- 42) Hussein, I. H., Abuzaid, A. S., Abdellatif, D. A., Abbas, H. H. 2023. Soil quality evaluation using GIS techniques: A case study of north Nile Delta, Egypt. *Annals of Agric. Sci., Moshtohor*, 61(1): 291-306. DOI: [10.21608/assjm.2023.316848](https://doi.org/10.21608/assjm.2023.316848)
- 43) Khalil, F. W., Abdel-Salam, M. A., Abbas, M. H., Abuzaid, A. S. 2023. Implications of acidified and non-acidified biochars on n and k availability and their uptake by maize plants. *Egypt. J. Soil Sci.*, 63 (1): 101 – 112, DOI: [10.21608/EJSS.2023.184654.1560](https://doi.org/10.21608/EJSS.2023.184654.1560)
- 44) Abuzaid, A. S., El-Shirbeny, M. A., Fadl, M. E. 2023. A new attempt for modeling erosion risks using remote sensing-based mapping and the index of land susceptibility to wind erosion. *Catena*, 227: 107130, DOI: <https://doi.org/10.1016/j.catena.2023.107130>
- 45) Abuzaid, A. S., El-Komy, M. S. Shokr, M. S., El Baroudy, A. A. Mohamed, E. S. Rebouh, N. Y., Abdel-Hai, M. S. 2023. Predicting dynamics of soil salinity and sodicity using remote sensing techniques: A landscape-scale assessment in the northeastern Egypt. *Sustainability*, 15: 9440, DOI: <https://doi.org/10.3390/su15129440>
- 46) Abdellatif, M. A., Hassan, F. O., Rashed, H. S., El Baroudy, A. A., Mohamed, E. S., Kucher, D. E., Abd-Elmabod, S. K., Shokr, M. S., Abuzaid, A. S. 2023. Assessing soil organic carbon pool for potential climate-change mitigation in agricultural soils—A case study Fayoum Depression, Egypt. *Land*, 12: 1755, DOI: <https://doi.org/10.3390/land12091755>
- 47) Abuzaid, A. S., Abdel-Salam, M. A., Abbas, M. H. H., Khalil, F. W., Abdelhafez, A. A. 2025. Effectiveness of biochar and elemental sulfur for sustaining maize production in arid soils. *Egypt. J. Soil Sci.*, 65 (1): (In press), DOI: [10.21608/EJSS.2024.324620.1875](https://doi.org/10.21608/EJSS.2024.324620.1875)
- 48) Abdel-Salam, M. A., Abuzaid, A. S., Khalil, F. W., Abbas, M. H. H. 2025. Increasing maize productivity in arid sandy soils using combinations of (normal/acidified) biochar and elemental sulfur. *Egypt. J. Soil Sci.*, 65 (1): (In press), DOI: [10.21608/EJSS.2024.328587.1887](https://doi.org/10.21608/EJSS.2024.328587.1887)

14. List of reviewed researches

No.	Title	Journal	Date
1	Environmental and spatial assessment of urban heat islands in Qalyubia Governorate, Egypt	Egypt. J. Soil Sci.	17 / 4 / 2019
2	Soil suitability assessment using MicroLEIS model: A case study in Wadi El Heriga, northwestern coast zone, Egypt	Egypt. J. Soil Sci.	23 / 5 / 2019
3	Characterization and mapping of spatial variability of Entisols derived from Shale under arid desert environment	Egypt. J. Soil Sci.	8 / 7 / 2019
4	Spatial Variability Analysis of Effective Properties in Paddy Soils Fertility for Precise and Site-specific Nutrient Management	Arch. Agron. Soil Sci.	20 / 7 / 2019
5	Integration of Land Cover Changes and Land Capability of Wadi El-Natron Depression Using Vegetation Indices	Egypt. J. Soil Sci.	1 / 10 / 2019
6	Land and water resources assessment for sustainable agricultural development in El-Kharga Oases by using remote sensing and Geographic Information System	Egypt. J. Soil Sci.	31/10/2019
7	Agro-ecological zones delineation based for agricultural development in Sinai Peninsula using geo-informatics techniques	Egypt. J. Soil Sci.	9 / 1 / 2020
8	Land resources evaluation for sustainable agriculture of El-Qusiya area, Assiut, Egypt	Egypt. J. Soil Sci.	8 / 7 / 2020
9	Digital Soil mapping of Halayeb Area, Southeastern Egypt using Geo-informatics techniques	Egypt. J. Soil Sci.	15 / 10 / 2020
10	Assessment of land suitability for surface and drip irrigation systems in the northwestern coast of Egypt	Egypt. J. Soil Sci.	15 / 2 / 2021
11	Pedological characterization and classification of some acidic soils of Bako Tibe District, west Shoa, Ethiopia	Egypt. J. Soil Sci.	5 / 5 / 2021
12	Monitoring of land degradation and soil productivity in Bilqas district, Dakahlia governorate, Egypt	Egypt. J. Soil Sci.	11 / 7 / 2021
13	Geophysical assessment of flood vulnerability of Accra metropolitan area, Ghana	Egypt. J. Soil Sci.	25 / 9 / 2021
14	Producing land degradation status maps using remote sensing and GIS techniques	Annals Agric Sci., Moshtohor	24 / 2 / 2022
15	Heavy Metals (Co, Cd, and Pb) Concentration in Soil and Taro Plant at Various Distances from a Phosphate Fertilizer Factory	Benha J. Applied Sci.	27 / 3 / 2023
16	Chlorophyll content and yield responses for withholding irrigation under different critical growth stages of wheat		29 / 3 / 2023
17	Assessment of some salt-related soil characteristics and their effect on productivity	Annals Agric Sci., Moshtohor	18 / 1 / 2024
18	Evaluation of land suitability for crop production: case study in South El-Hussinia Plain of Egypt	Annals Agric Sci., Moshtohor	23 / 9 / 2024

19	Evaluation of Land capability index for some soils in South El-Hussinia Plain, Egypt using GIS and remote sensing techniques	Annals Agric Sci., Moshtohor	23 / 9 / 2024
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15. List of reviewed Projects

No.	Title	Funding Organization	Date
1	<u>Project proposal:</u> “Assessing the potential risks of irrigation with wastewater in the long term in some loamy lands in Port Said Governorate (an integrated framework based on remote sensing and infrared and visible spectroscopy)”		16 / 10 / 2022
2	<u>Final project report:</u> “Assessing the potential risks of irrigation with wastewater in the long term in some loamy lands in Port Said Governorate (an integrated framework based on remote sensing and infrared and visible spectroscopy)”		17 / 6 / 2023
3	<u>Project proposal:</u> “Integrating mathematical land models to manage agricultural sustainability: a case study in western Minya Governorate as a new development area (an integrated framework based on remote sensing and spatial modeling)”	National Authority for Remote Sensing and Space Sciences (NARSS), Egypt	9 / 8 / 2023
4	<u>Final project report:</u> “Integrating mathematical land models to manage agricultural sustainability: a case study in western Minya Governorate as a new development area (an integrated framework based on remote sensing and spatial modeling)”		7 / 8 / 2024
5	<u>Project proposal:</u> “Modeling and evaluating potential soil erosion risks using soil erosion models in integration with GIS techniques: Borg El Arab area, Alexandria (An integrated framework based on remote sensing and spatial modeling)”		30 / 9 / 2024