


Personal Details

Surname	Mustafa			
Middle Name	Abdel-wahed			
First Name	Abdel-rahman			
Title	Assistant Professor			
Gender	Male			
Address	Department of Soil and water, Faculty of Agriculture, Sohag University, Sohag			
Website	https://staffsites.sohag-univ.edu.eg/abdelrahman.mustafa?p=home			
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Date of birth	Day	Month	Year	Place of birth
	18	07	1979	Sohag, Egypt

Education

College/University	Degree obtained	Dates (from –to)
Indian Agricultural Research Institute	Ph.D	2008-2011
Faculty of Agric., Assiut University	M. Sc.	2001-2006
Faculty of Agric., South Valley University	B. Sc.	1996-2000

Positions	Specialization	Dates (from –to)
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Assistant Professor	Soil Pedology	2017-till now
Lecturer	Remote Sensing and GIS applications on Soil & water	2006-2011
Assistant Lecturer	Soil & water	2006-2011
Demonstrator	Soil & water	2000-2006

Training courses and workshops:

A-General Courses:

- **Preparing of the university instructor training course.** South Valley University, Sohag.
- **Methods scientific research workshop.** FLDP (Faculty and Leadership Development Projects), South Valley University.
- **Development of effective teaching skills.** FLDP (Faculty and Leadership Development Projects), Sohag University.
- **The use of technology in teaching.** FLDP (Faculty and Leadership Development Projects), Sohag University.
- **Convert the courses to electronic courses.** QAU (Quality Assurance Unit), faculty of Agriculture, Sohag University.
- **Courses Report Preparation.** QAU (Quality Assurance Unit), faculty of Agriculture, Sohag University.
- **SPSS Training Course.** IT (Information Technology Unit), Sohag University.
- **Courses Characterization training course.** QAU (Quality Assurance Unit), Sohag University.
- **Advanced Power Point training course.** IT (Information Technology Unit), Sohag University.
- **Management Information System.** IT (Information Technology Unit), Sohag University.
- **Referee Preparation.** EFBF (Egyptian Federal of Bodybuilding Fitness), Egypt.
- **Management of Scientific research team.** FLDP (Faculty and Leadership Development Projects), Sohag University.
- **Scientific ethics.** FLDP (Faculty and Leadership Development Projects), Sohag University.
- **Strategic planning.** FLDP (Faculty and Leadership Development Projects), Sohag University.
- **Development of effective thinking skills.** FLDP (Faculty and Leadership Development Projects), Sohag University.
- **Development of effective presentation skills.** FLDP (Faculty and Leadership Development Projects), Sohag University.

- **Scientific Research Methods.FLDP** (Faculty and Leadership Development Projects), Sohag University.

B- Scientific / Specialized Courses:

- **Basic course on Judge Preparation conducted by Arab Federation of Arab Dragon**, 31th January to 1st February, 2019, Sohag, Egypt.
- **Advanced course on Judge Preparation** conducted by Egyptian Federation of Bodybuilding & Fitness, 22nd – 29th, October, 2016, Cairo, Egypt.
- **Basic training course on Analytical Spectrum Devices (ASD) Spectroradiometer** conducted during The 4th International ASD Users Meeting (in Middle East), 19th-20th April, 2016, NARSS, Cairo, Egypt.
- **Basic Training Course on Remote Sensing, GIS and GPS (2010)** conducted by Indian Institute of Remote Sensing (IIRS), NARS, Department of Space, Government of India.
- **Specialized Courses:**

No.	Title of Course	Grade (Out of Ten)
1	Water Resources Management-I	8.40
2	Soil-Water-Plant Environment System	7.50
3	Principles and Practices of Irrigation and Drainage	8.18
4	Principles of Remote Sensing	8.78
5	Elementary Design of Experiments	8.65
6	Soil and Water Quality and Irrigation Management	9.00
7	Agricultural Information System	7.60
8	GIS and GPs –Principles and Applications	7.20
9	Remote Sensing in Agriculture	7.60
10	Analysis of Soil , Plant and Water	8.53
11	Elementary Statistical Methods	6.95

12	Instrumental Methods of Analysis	6.93
13	Theory of Fluid Mechanics and Hydraulics	8.10
14	Seminar Entitled (Rhizofiltration as a Phytoremediation Method For Cleaning Up Contaminated Water)	8.60
15	GIS and Remote Sensing Techniques	9.20
16	Seminar Entitled (Zerovalent Iron (ZVI) A Novel Nanoremediation Technology)	8.37
17	Seminar Entitled (Vulnerability Assessment of Water resources Systems in the Eastern Nile Basin)	7.60

- **Employment History**

Employer	Position	Dates (from – to)
Soil and Water Department, Faculty of Agriculture, Sohag University, Egypt	Assistant professor, soil pedology	2017 till now
Soil and Water Department, Faculty of Agriculture, Sohag University, Egypt	lecturer	2011 -2017
Soil and Water Department, Faculty of Agriculture, Sohag University, Egypt	Assistant lecturer	2006-2011
Soil and Water Department, Faculty of Agriculture, Sohag University, Egypt	Domenstrator	2000-2006

Field of interest Major

Research area: Remote Sensing, GIS and GPS in Agriculture, soil pedology.

Specific Research: Soil and Water Science.

Scholarship

2008-2011: Scholarship in Water Technology Center, Indian Agriculture Research Institute, New Delhi, India.

Skills:

- **English Language:** 503 local Toefl Certificate
- **Analysis the spatial data by GIS software expert**
- **Analysis and interpretation of Remote Sensing data using ENVI, ERDAS and EDRISI Software**
- **Statistical analysis by using SPSS and Statistica 7software**
- **Data Mining Software Such as WEKA.**

Publications

1. **Mustafa, A. A.** (2018). Assessment and Mapping the Infiltration Characteristics of the Main Agricultural Soils of Sohag Governorate, Egypt, 12th AARSE Conference Earth Observations and Geospatial Sciences in Service of Sustainable Development Goals(, 25-29th October, 2018, Arab Academy for science and technology, Alexandria ,Egypt.
2. **Mustafa, A. A.** (2018). Land capability classification using ID3 decision tree algorithm approach, 8th International Conferenc for Sustainable Agricultural Development, 5-7th march, 2018, Faculty of Agriculture, Fayoum University,Egypt.
3. Abd El-Galil, A., **Mustafa A.A.**, Ali, S.A. and Yassin, O.M.(**2018**). Irrigation intervals as a guide to surface irrigation scheduling of maize inUpper Egypt. J. Biol. Chem. Environ. Sci., 2018,Vol. 13 (2): 121-133.
4. Ibrahim, M. S., **Mustafa, A. A.** , Mohamed, A. M. (2018) Assessmet of Soil Productivity Using remote Sensing and Geographic Information System In Qena Governorate. 1st conference for young researchers, Sohag University, Sohag, Egypt.
5. Ateteallah H. A., Mohran M. A., Abd El-Khair A. A., Abed El-Rahim A. M.and **Mustafa A. A.** (2018). A GIS Based Assessment of some heavy Metal Concentrations in Milk and Rural Dairy Products in Sohag Governorate, Egypt. The 1st International Conference on Applied Agricultural Sciences and Prospective Technology, 23rd to 26th February, Luxor, Egypt.
6. **Mustafa, A. A.** (2017). Assessment and Mapping the Infiltration Characteristics of the Main Agricultural Soils of Sohag Governorate, Egypt.International conference on advanced technologies and their applications in agriculture, 27-29 march, 2017, National Research Centre Cairo, Egypt.
7. **Mustafa, A. A.**, Man Singh, R. N Sahoo, Nayan Ahmed, Manoj Khanna, A. Sarangi and A. K. Mishra. (2016). Soil Suitability Analysis for Crop Planning in Kheragarah Tehsil of Agra District, Uttar Pradesh. J. of the Indian Society of Soil Sci., 64(4): 311-318.

8. **Mustafa, A.A.** and Negim, O. E. (2016). Utilizing of Geoinformatics for Mapping Land Use/Land Cover Changes in Sohag, Egypt. *American J. of Environ. Eng. and Sci*, 3(1): 33-42.
9. Ali, M. H., **Mustafa A. A.** and El-Sheikh A. A. (2016). Geochemistry and Spatial Distribution of Selected Heavy Metals in Surface Soil of Sohag, Egypt: A Multivariate Statistical and GIS Approach. *Environ Earth Sci*, 75:1257,1-17.
10. A. Abd El-Galil., M.S.Ibrahim., A.A. Abdel Hady., **A.A. Mustafa** and Ali R.A. Morsy (2016) Land suitability evaluation for different crops in some soils of Sohag-Red Sea Road sides, Sohag, Egypt. 12th International Conference of Egyptian Soil Science Society, 3-6 March, 2016, Ismailia, Suez canal Univ., Egypt.
11. **Mustafa, A.A.** (2016). Remote Sensing and Geographic Information System for Optimizing Land Use Base on Fertility Capability Classification. *Inter. J. of Plant & Soil Sci.* 12(2):1-14.
12. **Mustafa, A. A.** (2016). Integration of Parametric Approach and GIS for Optimum Irrigation Method in Soils of the Eastern Desert Part of Sohag, Egypt. The 12th International Conference of the Egyptian Soil Science Society (ESSS), 7th-9th March, 2016, Ismaeiliya, Egypt.
13. Negim, O. and **Mustafa, A.A.** (2016). Remediation of a Highly Calcareous Saline Sodic Soil Using Some Soil Amendments. *Inter. J. of Plant & Soil Sci.* 12(5):1-13.
14. Negim, O. ; **Mustafa, A. A.** and Fouad, H. A. (2016). Effect of Pressmud, as an Organic Fertilizer, on Some Soil Properties, Growth of Tomato Plant and Infestation of *Tutaabsoluta* Under Saline Irrigation Water. *J. Soil Sci. and Agric. Eng., Mansoura Univ.*, 7(8): 557 - 563.
15. **Mustafa, A.A.** (2016). Relevance of Remote Sensing and GIS for Digital Soil Resources Mapping in Sohag, Egypt. 1st International Conference on Advances in Soil Sciences, 2nd-5th May 2016, Alex. Library, Alexandria, Egypt.

16. Mohamed, N. E. M., Said, A.A., **Mustafa, A.A.** and J. Léon. (2015). Association Mapping For Salinity Tolerance Related Traits in a Structured Barley Population. Egypt. J. Agron. 37(1): 11-33.
17. **Mustafa, A.A.** and Negim, O. E. (2015). Geomatics Based Soil Mapping of The Eastern Desert Part of Sohag Governorate, Egypt. J. Soil Sci. and Agric. Eng., Mansoura Univ., 6 (12): 1527 – 1543.
18. Said, A.A.; Hamada, A. ; Youssef, M. ; Mohamed, N.E. and **Mustafa, A.A.** (2015). SRAP Markers Associated with Water Use Efficiency and Some Agronomic Traits in Wheat under Different Irrigation Regimes. Egypt. J. Agron. 37(2): 209-229.
19. Abdelgalil, A.A.; Ibrahim, M.S.; Abdel Hady, A.A.; **Mustafa, A.A.** and Morsy, A.R.A.(2015). Actual and Potential Land productivity of Some Soils of Sohag –Red Sea Road Sides Sohag, Egypt. Inter. Conf. (Agriculture and Environment for Sustainable Development) National Research Centre, 25th-27th May, 2015.
20. **Mustafa, A.A. (2015)**. Remote sensing and GIS Based Approach to Evaluate Groundwater Quality for Irrigation in Newly Reclaimed Areas, Sohag, Egypt. The 2nd Minia International Conference for Agriculture and Irrigation in the Nile Basin Countries, 23rd-25th March 2015, Minia, Egypt.
21. **Mustafa, A.A. (2013)**. Mapping of DTPA Extractable Micronutrients Status by Geographic Information System (GIS) in Sohag Area, Egypt. Inter. J. of Geosciences and Geomatics, 1(1):54-59.
22. **Mustafa, A.A.;** Singh, Man; Ahmad, N. and Sahoo, R.N.(2013). Suitability of Groundwater for Irrigation use in Kheragarah tehsil of Agra, U.P., India. 1st Egyptian-German Workshop on Sustainable Water Technologies, 18th-20th February, 2013, Cairo University, Giza, Egypt.
23. **Mustafa, A.A.;** Singh, Man; Ahmad, N.; Sahoo, R.N.; Khanna, M.; Sarangi, A. and Mishra, A.K. (2012). Soil Suitability for Some Selected Crops in Kheragarah tehsil of Agra, U.P., India. 10th International Conference of the Egyptian Soil Science Society (ESSS) and 4th International Conference of On-Farm Irrigation and

Agroclimatology, 5-8 November 2012, Ameria, Alexandria, Egypt.

24. **Mustafa, A. A.**, Man Singh, R. N Sahoo, Nayan Ahmed, Manoj Khanna, A. Sarangi and A. K. Mishra. (2011). Land Suitability Analysis for Different Crops: A Multi Criteria Decision Making Approach using Remote Sensing and GIS. *Researcher*, 3 (12): 61-84.
(http://www.sciencepub.net/researcher/research0312/014_7181research0312_61_84.pdf)
25. **Mustafa, A. A.**, Man Singh, Nayan Ahmed , R. N Sahoo, Manoj Khanna, A. Sarangi and A. K. Mishra. (2011). Characterization and Classification of Soils of Kheragarah, Agra and Their Productivity Potential. *Journal of Water Management*. 19 (2)1-19
26. **Mustafa, A. A.**, Man Singh, R. N Sahoo, Nayan Ahmed, Manoj Khanna, A. Sarangi and A. K. Mishra. (2011). Mapping of Degraded Lands from Multidate Remotely Sensed Data Using Decision Tree Based Classification (DTC). *Report and Opinion*, 3(11):33-54
(http://www.sciencepub.net/report/report0311/007_7182report0311_33_54.pdf)
27. Abdelgalil, A.; M. F. Ghoneim; K. K. Attia and **A. A. Mustafa**. (2006). Characterization of Certain Soil Properties Related to the Fertility Status of soils - a case study. *J. Agric. Sci. Mansoura Univ*. 31(12):8091-8105.

PRESENTATIONS :

Seminars:

- ✓ Rhizofiltration as a Phytoremediation Method for Cleaning up Contaminated Water. Division of Water Science and Technology, Water Technology Center, IARI, 2009
- ✓ Zerovalent Iron (ZVI): A Novel Nanoremediation Technology. Division of Water Science and Technology, Water Technology Center, IARI, 2010.
- ✓ Vulnerability assessment of Water Resources Systems in Eastern Nile Basin. Division of Soil Science and Agricultural Chemistry, IARI, 2010

Conferences:

1. 10th International Conference of the Egyptian Soil Science Society (ESSS) and 4th International Conference of On-Farm Irrigation and Agroclimatology, 5-8 November 2012, Ameria, Alexandria, Egypt.
2. 1st Egyptian-German Workshop on Sustainable Water Technologies, 18th-20th February, 2013, Cairo University, Giza, Egypt.
3. Geomatics of Middle East and North Africa, The Euro-Arab Organization for Environment Water and Desert Researches, 7th-11th April, 2013, Yarmouk University, Irbid, Jordan
4. 1st International Conference of Soil and Water Dept., Faculty of Agriculture, KafresheikhUni., and 11th International Conference of Egyptian Soil Science Society (ESSS), 5-7 May, 2014, Kafrelsheikh, Egypt.
5. The International Conference (Agriculture and Environment for Sustainable Development), 25th -27th May 2015, National Research Center, Cairo, Egypt.
6. The 2nd Minia International Conference for Agriculture and Irrigation in the Nile Basin Countries, 23rd – 25th March 2015, Minia, Egypt.
7. The 4th International ASD Users Meeting (in Middle East) and Training on (Analytical Spectrum Devices (ASD) Spectroradiometer), 19th-20th April, 2016, NARSS, Cairo, Egypt.
8. The 12th International Conference of The Egyptian Soil Science Society (ESSS), 7th-9th March, 2016, Ismaeiliya, Egypt.
9. 1st International Conference on Advances in Soil Sciences, 2nd-5th May 2016, Alex. Library, Alexandria, Egypt.

10. International conference on advanced technologies and their applications in agriculture, 27-29 march, 2017, National Research Centre Cairo, Egypt.

11. 8th International Conferenc for Sustainable Agricultural Development, 5-7th march, 2018, Faculty of Agriculture, Fayoum University,Egypt.

12. 12th AARSE Conference Earth Observations and Geospatial Sciences in Service of Sustainable Development Goals(, 25-29th October, 2018, Arab Academy for science and technology, Alexandria ,Egypt.

Projects:

- PI of the STDF young research granted project **No. (5082) entitled (Integrating GIS and Multi Criteria Decision Making (MCDM) Approach for Land Suitability Analysis under Different Land Uses, Sohag area, Egypt).**

- The Co.PI of the project entitled **(New Approaches for the management of Insect AltautaAbslota IAO).**
- **Future Scientists for Next Generation (SNG) Grant funded by Academy for Scientific Research and Technology entiteled:**

1- Wheat Productivity by Integrated Use of Organic and Inorganic NPK Fertilizers under Two Levels of Irrigation.

2- Breeding of grain sorghum cultivars with increased yielding abilities under drought stress conditions.

3- Effect of magnetic treated water on bread wheat grown under salinity conditions

Thesis Supervision:

A- MSc Students:

1- **Omer M. Y.**

Thesis Title: Assessment the Role of Zinc and Silicon on Decrease the Water Stress Effect on Maize Plant Growth under Sohag Governorate Conditions.

2-**Mohammed A.M.**

Thesis Title: Assessment of soil Productivity Using Remote Sensing and GIS Techniques : a Case Study of Quena Governorate.

3-Bahjat S.M.

Thesis Title: Improving Wheat Productivity by Integrated Use of Organic and Inorganic NPK Fertilizers under Two Levels of Irrigation Water in Newly Reclaimed Land.

4- Yousra:

Thesis Title: Effect of magnetic treated water on bread wheat grown under salinity conditions

5- Nafisa:

Thesis Title: Breeding of grain sorghum cultivars with increased yielding abilities under drought stress conditions.

B-PhD Students:

1- Faris A.A.

Thesis Title: Amelioration of Newly Reclaimed Soil under Some Stress Conditions in Upper Egypt.