



Curriculum Vitae



Personal Information

Field	Details
Full Name	Prof. Dr. Abdelbaset Mohamed Abudeif Ibraheem
Position	Professor of Applied and Environmental Geophysics, Head of Geology Department, Former Vice Dean for Community Service and Environmental Development – Faculty of Science, Sohag University – Egypt
Institution	Sohag University – Faculty of Science – Geology Department – Sohag, Egypt
Gender	Male
Date of Birth	25/11/1967
National ID Number	26711252602714
Passport No. and Validity	A21440984 – Valid from 09/11/2017 to 08/11/2024
Place of Birth	Banuwait – El Maragha – Sohag – Egypt
Marital Status	Married with three sons and one daughter
Military Status	Completed military service
Address	33 Bilal Ibn Rabah Street – Nasser City – Sohag Second – Sohag – Egypt
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Academic and Research Profiles

Field	Details
Scopus ID	https://www.scopus.com/authid/detail.uri?authorId=56382502900
Scopus H-index	15
Web of Science	https://www.webofscience.com/wos/author/record/M-1387-2017
SciProfiles	https://sciprofiles.com/profile/2417259
ORCID	https://orcid.org/0000-0002-7625-4512
ResearchGate	https://www.researchgate.net/profile/A-Abudeif
Google Scholar	https://scholar.google.com/citations?user=ifTy1lQAAAAJ&hl=ar
Twitter	https://x.com/a_abudeif
Facebook	https://www.facebook.com/a.abudeif
LinkedIn	https://www.linkedin.com/in/abdelbaset-abudeif-a69304329/

Qualifications



- August 2015, Professor's Degree in Geophysics (Applied Geophysics) from the Faculty of Science, Sohag University, Egypt
- October 2009, Assistant Professor Degree in Geophysics (Applied Geophysics) from the Faculty of Science, Sohag University, Egypt
- April 2001, PhD in the philosophy of geophysics (seismic and magnetic) from the Faculty of Science in Sohag, South Valley University, joint supervision with the Institute of Geophysics, Faculty of Physics, University of Karlsruhe, Germany.
- May 1996, a master's degree in geophysics (gravity and magnetic) from the Faculty of Science, Sohag, South Valley University.
- May 1990, Bachelor of Geological Sciences with excellent grade with honors from the Faculty of Science in Sohag, Assiut University.

Career:

- Teaching Assistant at the Faculty of Science in Sohag, from September 1990 until May 1996
- Assistant lecturer at the Geology Department Faculty of Science in Sohag, from June 1996 until March 2001.
- Lecturer at the Geology Department, Faculty of Science in Sohag, South Valley University from April 2001 until October 2009.
- Assistant Professor at the Geology Department, Faculty of Science, Sohag University, Geology Department, from October 2009 until August 2015.
- Professor, at Geology Department, Faculty of Science, Sohag University, from 30/9/2015 until now.

Scholarships, scientific missions, and secondments:

- March 1998 to September 2000 joint supervision mission to the Institute of Geophysics, Faculty of Physics, University of Karlsruhe, Germany.
- September 2005 until August 2011, seconded to Garyounis University, Libya, Petroleum Engineering and Civil Engineering Departments.

Experience, achievements, and performance indicators in light of the guiding criteria for selection of university leaders:

1-Excellence in Publishing Scientific Research in Various Globally Indexed Journals:



- a. Published 94 scientific papers in distinguished scientific journals with impact factors, as well as in national journals and international conferences. The breakdown is as follows:

1-Publications

1. Abudeif, A.M., Hamimi, Z., Gaber, G.M., Kotb, A., Alarifi, N., Bellucci, S., Masoud, M.M., 2025. Modeling of potential field data for detecting structural and tectonic framework of Esh El Mellaha area, Red Sea, Egypt. *Scientific Reports* 15, 20131. <https://doi.org/10.1038/s41598-025-04674-1>
2. **Abudeif, A.M.**, Mohammed, M.A., Masoud, M.M. , Radwan, A.E. Alarifi, N. Bellucci, S. and Tawfik, F.A. Influence of Shale on Petrophysical Properties and Reservoir Quality: Insights from the Matulla Formation, Saqqara Field, Gulf of Suez, Egypt. *Pure Appl. Geophys.* (2025). <https://doi.org/10.1007/s00024-025-03711-4>
3. **Abudeif, A.M.** Mohammed, A.M, Radwan, A.E. Abdelrahman, K. Fnais, M.S. Raef, A Tawfik, F.A, (2025). Petrophysical evaluation for estimating recoverable hydrocarbon reserves using well logging in the Nubia Formation Saqqara Field Gulf of Suez Egypt. *Scientific Reports journal* (Accepted) <https://doi.org/10.1038/s41598-025-01973-5>
4. **Abudeif, A.M.** Alarifi, N, Abdalla, F, Bellucci, S Tawfik, F.A, (2025). Clay impact on reservoir quality in the Nubia Formation of Saqqara Field, Gulf of Suez, Egypt *Scientific Reports journal* (Accepted) <https://doi.org/10.1038/s41598-025-07801-0>
5. Al-Azazi, N.A.S., **Abudeif, A.M.**, Mohammed, M.A., Albaroot, M.A., Alarifi, N., Bellucci, S., Basrada, F.M.Q. and Masoud, M.M. (2025) 'Application of spectral gamma-ray logs to determine the lithofacies and depositional environment of the Lam Member, Habban oilfield, Sab'atayn Basin (Yemen)', *Russian Geology and Geophysics*. Available at: <https://doi.org/10.2113/RGG20254854>
6. **Abudeif, A.M.**, Senosy, M.M., Mahmoud, F.A. and Shelkamy, M.A. (2025) 'Aeromagnetic studies on the Great Sand Sea area, Western Desert, Egypt', *Sohag Journal of Sciences*, 10, pp.103–115. <https://doi.org/10.21608/sjsci.2025.330130.1230>
7. **Abudeif, A.**, Abdel Aal, G., Peláez, J., Sawires, R., Masoud, M., Elnassari, A., Mansour, K., Gaber, H. and Mohammed, M. (2024) 'Ground Penetration Radar and Magnetic Surveys for Archaeogeophysical Prospecting at the Seti I Temple at Abydos, Sohag, Egypt', *Archaeological Prospection*. <https://doi.org/10.1002/arp.1968>
8. **Abudeif, A.M.**, Alhussain, A.Y., Mohammed, M.A. and Masoud, M.M. (2024) 'Clay content estimation and its impact on reservoir properties using well logging, Sijan Field, Syria', *Mining of Mineral Deposits*, 18(4), pp.45–55. <https://doi.org/10.33271/mining18.04.045>
9. Hamada, M., Gaber, H., Saleh, M., Badreldin, H., ElKhouly, S.H., El-Sharkawy, A., **Abudeif, A.M.**, Abdelrahman, E. and Ramadan, H.S. (2024) 'Seismotectonic map of the Sinai Triple Junction', *Journal of African Earth Sciences*, Article ID 105464. <https://doi.org/10.1016/j.jafrearsci.2024.105464>
10. Abd El-Wahed, M.A., Kassem, O.M.K., **Abudeif, A.M.** Abdelhameed, M & Attia, M.(2024). The structures control the evolution of molasse basins and alteration zones occurrences in the northwestern sector of the Central Eastern Desert of Egypt. *Discov Geosci* 2, 23 (2024). <https://doi.org/10.1007/s44288-024-00028-y>
11. **Abudeif, A.M.**, Radwan, A., Mohammed, M., & Ali, A. (2024). Reservoir Characteristics of Ha'py-2 well in Ha'py Gas Field, Eastern Mediterranean Region, Egypt. *Sohag Journal of Sciences*, 9(4), 448-457. <https://doi.org/10.21608/sjsci.2024.279081.1191>



12. Abdelhameed, M., **Abudeif, A. M.**, Abd El-Wahed, M., and Kassem, O. M. K., 2024, Geological and Petrographical Investigation of the Neoproterozoic Basement Rocks of Wadi Arak-Wadi El Qash area, Central Eastern Desert, Egypt: *Sohag Journal of Sciences*, v. 9, no. 2, p. 105-113. <https://doi.org/10.21608/sjsci.2023.226128.1104>
13. **Abudeif, A.M.**, Radwan, A., Mohammed, M., &Tawfik, F.A. (2024). Characteristics of Matulla Reservoir in Saqqara Oil Field, Gulf of Suez, Egypt. *Sohag Journal of Sciences*, 9(4), 519-530. <https://doi.org/10.21608/sjsci.2024.297013.1211>
14. Gaber, H.A., **Abudeif, A.M.**, and Mohammed, M.A. 2024. Magnetic gradiometer survey to evaluate the depth and shape of subsurface archaeological features at El Dyabat archaeological hill in Akhmim, Sohag, Egypt. The Twelfth international conference on the Geology of Africa (ICGA - 2024). Faculty of science, Assiut University, Assiut. November 6-7, 2024.
15. **Abudeif, A.**, Radwan, A., Al-Azazi, N., Mohammed, M., Basrada, F. (2024). 'Petrophysical Parameters and Reservoir Evaluation from Well Log Analysis of Lam Member (Late Jurassic), Habban Oil Field, Marib-Shabwah (Sab'atayn) Basin, Yemen', *Sohag Journal of Sciences*, 9(1), pp. 86-93. <https://doi.org/10.21608/sjsci.2023.224819.1101>
16. Mohammed, M.A., **Abudeif, A.M.**, AbdelAal, G.Z., and Gaber, H.A. 2024. Mapping the potential buried archaeological objects employing magnetic and GPR surveys at Arabah Al-Madfunah settlement, Abydos, Egypt. The Twelfth international conference on the Geology of Africa (ICGA - 2024). Faculty of science, Assiut University, Assiut. November 6-7, 2024.
17. **Abudeif, Abdelbaset M.**, Gamal Z. Abdel Aal, Hatem S. Ramadan, Nassir Al-Arifi, Stefano Bellucci, Khamis K. Mansour, Hossameldeen A. Gaber, and Mohammed A. Mohammed. 2023. "Geophysical Prospecting of the Coptic Monastery of Apa Moses Using GPR and Magnetic Techniques: A Case Study, Abydos, Sohag, Egypt" *Sustainability* 15, no. 14: 11119. <https://doi.org/10.3390/su15141119>
18. Osama M.K. Kassem, Mohamed Abd El-Wahed, **Abdelbaset M. Abudeif**, Mohammed Abdelhameed, 2023, Microstructural and strain studies of neoproterozoic rocks encapsulating hammamat molasse deposits in theWadi El-Qash area, Central Eastern Desert, Egypt, *Journal of African Earth Sciences*, Volume 205, 105009, <https://doi.org/10.1016/j.jafrearsci.2023.105009>.
19. <https://doi.org/10.1016/j.jafrearsci.2023.105009>.
20. Abdel Aal, G.Z.,Fargallah, M.E., Abd-Alla, M.H, Abd El-Rhman, R.S., Abdel Gowad, A.M., Abdelhalim, A., Ahmed, M.S., **Abudeif, A.M.**,Mohammed, M.A, 2023. Simulation of Biophysicochemical Characteristics of the Soils Using Geoelectrical Measurements near the Sewage Station, Assiut City, Egypt. *Water*, 15, 2148. <https://doi.org/10.3390/w15122148>
21. **Abudeif, A.M.**; Abdel Aal, G.Z.; Abdelbaky, N.F.; Abdel Gowad, A.M.; Mohammed, M.A. Evaluation of Engineering Site and Subsurface Structures Using Seismic Refraction Tomography: A Case Study of Abydos Site, Sohag Governorate, Egypt. *Appl. Sci.* 2023, 13, 2745. <https://doi.org/10.3390/app13042745>
22. **Abudeif, Abdelbaset M.**, Gamal Z. Abdel Aal, Nessreen F. Abdelbaky, Mohamed H. Ali, and Mohammed A. Mohammed. 2023. "An Integrated Geophysics and Isotope Geochemistry to Unveil the Groundwater Paleochannel in Abydos Historical Site, Egypt" *Minerals* 13, no. 1: 64. <https://doi.org/10.3390/min13010064>
23. **Abudeif, A. M.**, Ali, M. A. & Mohammed, M. A. 2023. Subsurface Structure Detection Using Geomagnetic Data Approach in Wadi Araba area, Gulf of Suez, Egypt. *Sohag Journal of Sciences*, 8, 337-346. <https://doi.org/10.21608/SJSCI.2023.200869.1071>



24. Osama M.K. Kassem, Mohamed Abd El-Wahed, **Abdelbaset M. Abudeif**, Mohammed Abdelhameed, 2023. Geological and petrographical investigation of the Neoproterozoic basement rocks of Wadi Arak-Wadi El Qash area, Central Eastern Desert, Egypt. *Sohag Journal of Sciences*, 8, 337-346. <https://doi.org/10.21608/SJSCI.2023.224819.110>
25. Gaber, H.A., AbdelAal, G.Z., **Abudeif, A.M.**, and Mohammed, M.A. 2022. Magnetic survey of Abydos archaeological site, Sohag Governorate, Egypt. The Eleventh international conference on the Geology of Africa (ICGA - 2022). Faculty of Science, Assiut University, Assiut. November 8-9, 2022.
26. Abbas, S.K., AbdelAal, G.Z., **Abudeif, A.M.**, and Mohammed, M.A. 2022. Utilizing electrical resistivity tomography for the investigation of groundwater level rise at Abydos archaeological site, Sohag, Egypt. The Eleventh international conference on the Geology of Africa (ICGA - 2022). Faculty of Science, Assiut University, Assiut. November 8-9, 2022.
27. **Abudeif, A.M.**, Abdel Aal, G.Z., Masoud, A.M., Mohammed, M.A., 2022. Detection of Groundwater Pathways to Monitor Their Level Rise in Osirion at Abydos Archaeological Site for Reducing Deterioration Hazards, Sohag, Egypt Using Electrical Resistivity Tomography Technique. *Applied Sciences*, 12(20), 10417. <https://doi.org/10.3390/app122010417>
28. **Abudeif, A.M.**, Abdel Aal, G.Z., Masoud, M.M., Mohammed, M.A., 2022. Geoarchaeological Investigation of Abydos Area Using Land Magnetic and GPR Techniques, El-Balyana, Sohag, Egypt. *Applied Sciences* 12(19), 9640. <https://doi.org/10.3390/app12199640>
29. **Abdelbaset M. Abudeif**, Mohamed A. Tammam, Ahmed M. Masoud, Marwa M. Masoud, 2022. Biostratigraphic study of the Paleocene succession at south Wadi Qena, Egypt. *Journal of African Earth Sciences*, Volume 192, 104520, <https://doi.org/10.1016/j.jafrearsci.2022.104520>.
30. Bassem S. Nabawy, **Abdelbaset M. Abudeif**, Marwa M. Masoud, Ahmed E. Radwan, 2022. An integrated workflow for petrophysical characterization, microfacies analysis, and diagenetic attributes of the Lower Jurassic type section in northeastern Africa margin: Implications for subsurface gas prospection, *Marine and Petroleum Geology*, Volume 140, 105678, <https://doi.org/10.1016/j.marpetgeo.2022.105678>.
31. **Abudeif, A.M.**, Masoud, M.M., 2022. Site effect estimation using H/V microtremor and shallow seismic prospecting, Elkawamel, Sohag, Egypt. *Sohag Journal of Sciences* 7, 47-54. <https://doi.org/10.21608/sjsci.2022.253359>
32. **Abudeif, A.M.**, Saad, S.E., Mohammed, M.A., 2022. Geomagnetic characterization of a basaltic intrusion and its tectonic implications, Eastern Desert, Egypt. *Sohag Journal of Sciences* 7, 85-93 . [10.21608/SJSCI.2022.148020.1008](https://doi.org/10.21608/SJSCI.2022.148020.1008).
33. https://sjsci.journals.ekb.eg/article_249902.html
34. Gaber, H., **Abudeif, A.**, Mohammed, M., Abdel Aal, G., Mansour, K. (2022). Archaeological prospecting on the site of Osirion-Abydos using High-Resolution Ground Penetrating Radar Technique, Sohag District, Egypt. *Sohag Journal of Sciences*, 7(2), 115-122. doi: <https://doi.org/10.21608/sjsci.2022.234373> https://journals.ekb.eg/article_234373.html
35. Ahmed E. Radwan, David A. Wood, **A. M. Abudeif**, M. M. Attia, M. Mahmoud, Ahmed A. Kassem & Maciej, 2021. Kania Reservoir Formation Damage; Reasons and Mitigation: A Case Study of the Cambrian–Ordovician Nubian ‘C’ Sandstone Gas and Oil Reservoir from the Gulf of Suez Rift Basin. *Arabian Journal for Science and Engineering* (2021). <https://doi.org/10.1007/s13369-021-06005-8>
36. **Abdelbaset M. Abudeif**, Gamal Z. AbdelAal, Mohammed A. Mohammed, Hossam A. Gaber, Safaa K. Abbas. 2021. Application of electrical resistivity tomography (ERT) for engineering characterization of the area surrounding the Osirion at Abydos archeological site, Sohag, Upper Egypt. The Fifth International Conference on New Horizons in Basic and



- Applied Sciences. Organized by Faculty of Science (Assiut) Al-Azhar University. 26-29 September 2021, Hurghada, Egypt.
37. Mohammed A. Mohammed, **Abdelbaset M. Abudeif**, Gamal Z. AbdelAal, Hossam A. Gaber. 2021. Archaeogeophysical study on the Abydos Temple site using Ground Penetrating Radar Technique, Sohag Governorate, Egypt. The Fifth International Conference on New Horizons in Basic and Applied Sciences. Organized by Faculty of Science (Assiut) Al-Azhar University. 26-29 September 2021, Hurghada, Egypt.
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38. Masoud, M. M. A. **Abudeif, A.M.** Nabawy, B.S. 2021. Petrophysical studies and microfacies analysis of the lower Jurassic sequence in Gebel El-Maghara area, north Sinai, Egypt" accepted by publishing committee of Egyptian Society of Applied petrophysics (ESAP) in 07/02/2021 to be published in the Egyptian Journal. of Applied Geophysics, ESAP (ISSN 1687-1251) in the 20th volume no. 1 March 2021.
39. Masoud, M. M. A. **Abudeif, A.M.** Nabawy, B.S., 2021. Petrographical and petrophysical characterization of the middle and upper Jurassic sequence in Gebel El-Maghara area, north Sinai, Egypt" Has Participated in the sixth Scientific Conference for Young Researchers Organized by Sohag University on 10 March 2021
40. Abdelaal, G. Z., Abbas, S. K., **Abudeif, A.**, & Mohammed, M. (2022). Utilizing Magnetic Gradiometer to Determine the Depth and Geometry of Subsurface Archaeological Features at Abydos Archaeological Site, Sohag, Egypt. Assiut University Journal of Multidisciplinary Scientific Research, 51(3), 279-308. [10.21608/AUNJ.2022.140808.1028](https://doi.org/10.21608/AUNJ.2022.140808.1028)
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41. Gaber, H. A., **Abudeif, A. M.**, Mohamed, M. A., AbdelAal, G. Z. and Mansour, K. K. 2021 . Archaeological Investigation on the site of Osirion- Abydos using Ground Penetrating Radar tool, Sohag Governorate, Egypt. Has Participated in the sixth Scientific Conference for Young Researchers Organized by Sohag University on 10 March, 2021
42. M.A. Mohammed, **A.M. Abudeif**, 2020. Use of the geophysical approaches for studying the environmental impact assessment of the human burying techniques to the soil and groundwater: A case study of Geheina cemeteries, Sohag, Egypt. Journal of African Earth Sciences Volume 172, December 2020, 104010, <https://doi.org/10.1016/j.jafrearsci.2020.104010>.
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43. Radwan, A. E., **Abudeif, A.M.**, Attia, M.M. (2020). Investigative petrophysical fingerprint technique using conventional and synthetic logs in siliciclastic reservoirs: A case study, Gulf of Suez basin, Egypt. Journal of African Earth Sciences, Volume 167, July 2020, 103868 <https://doi.org/10.1016/j.jafrearsci.2020.103868>
44. G.Z. AbdelAal , **A.M Abudeif** , S.K. Abbas and M.A. Hassoup. 2020. High resolution magnetic gradiometer survey of the area surrounding the Osirion at Abydos archeological site, Sohag, Egypt. 13th inter, Geol. Conf. Jeddah, KSA, 3-5 March
45. M.A. Mohammad, M.H. Ali, **A.M. Abudeif**, and G.Z. AbdelAal. 2020. Geochemical and electrical resistivity characters of the sediments irrigated with sewage water at Sohag Governorate, Upper Egypt. 13th inter, Geol. Conf. Jeddah, KSA, 3-5 March
46. Radwan, A. E., **Abudeif, A.M.**, Attia, M.M. (2020). Geopressure evaluation Using integrated basin modeling, Well-Logging and reservoir data analysis in Gulf of Suez, Egypt. 13th inter, Geol. Conf. Jeddah, KSA, 3-5 March
47. Radwan, A. E., **Abudeif, A.M.**, Attia, M.M. (2020). Formation Damage Diagnosis, Application on Hammam Faraun Reservoir: A Case Study, Gulf of Suez, Egypt. 13th inter, Geol. Conf. Jeddah, KSA, 3-5 March



48. Radwan, A. E., **Abudeif, A.M.**, Attia, M.M., Mohamed A.Elkhawaga, Wael K.Abdelghany, Ahmed A.Kasem (2020). Geopressure Evaluation Using Integrated Basin Modelling, Well-Logging and Reservoir Data Analysis in the northern part of the Badri oil field, Gulf of Suez, Egypt. *Journal of African Earth Sciences*, Volume 162, February 2020, 103743 <https://doi.org/10.1016/j.jafrearsci.2019.103743>
49. **A.M. Abudeif**, M.A. Mohammed, R. E. Fat-Helbary, H.M. El-Khashab, M. M. Masoud (2020) Integration of 2D geoelectrical resistivity imaging and boreholes as rapid tools for geotechnical characterization of construction sites: A case study of New Akhmim city, Sohag, Egypt. *Journal of African Earth Sciences*. Volume 163, March 2020, 103734. <https://doi.org/10.1016/j.jafrearsci.2019.103734>
50. M. A. Mohammed, **A.M. Abudeif** and A.K. Abd el-aal (2020) Engineering geotechnical evaluation of soil for foundation purposes using shallow seismic refraction and MASW in 15th Mayo, Egypt. *Journal of African Earth Sciences*, Volume 162, February 2020, 103721. <https://doi.org/10.1016/j.jafrearsci.2019.103721>
51. **Abudeif, A. M.**, Mohammed M.A., Abd el-aal A. K. and Omar, A. K. (2019) Single and multi-channel passive source methods for calculating the shallow S-wave velocity structure and site effect parameters at 15th May City, Egypt. *Journal of African Earth Sciences* Volume 159, November 2019, 103579. <https://doi.org/10.1016/j.jafrearsci.2019.103579>
52. Mohammed, M.A Sensoy, M.M. and **Abudeif, A.M** (2019). Derivation of empirical relationships between geotechnical parameters and resistivity using electrical resistivity tomography (ERT) and borehole data at Sohag University site, Upper Egypt. *Journal of African Earth Sciences* Volume 158, October 2019, 103563 <https://doi.org/10.1016/j.jafrearsci.2019.103563>
53. **Abudeif, A.M.**, Fat-Helbary, R.E., Mohammed, M.A., Alkhashab, H.M., Masoud M.M. (2019) Geotechnical engineering evaluation of soil utilizing 2D Multichannel Analysis of Surface Waves (MASW) technique in New Akhmim city, Sohag, Upper Egypt. *Journal of African Earth Sciences*. Volume 157, September 2019, 103512. <https://doi.org/10.1016/j.jafrearsci.2019.05.020>
54. Radwan, A.E., **Abudeif, A.M.**, Attia, M.M., Mohammed, M.A. (2019). Pore and fracture pressure modeling using direct and indirect methods in Badri Field, Gulf of Suez, Egypt. *Journal of African Earth Sciences*, 156, 133-143. <https://doi.org/10.1016/j.jafrearsci.2019.04.015>
55. Mohammed, M.A and **Abudeif, A.M.** (2019) Geoelectrical Characterization of the Al-Kawamil New Settlement, Sohag, Egypt. *Journal of environmental and engineering geophysics*. 24(2), 327–332. <https://doi.org/10.2113/JEEG24.2.327>
56. Radwan, A.E., **Abudeif, A.M.**, Attia, M.M., Mahmoud, M., (2019). Development of formation damage diagnosis workflow, application on Hammam Faraun reservoir: A case study, Gulf of Suez, Egypt, *Journal of African Earth Sciences*, 153, 42-53. doi: <https://doi.org/10.1016/j.jafrearsci.2019.02.012>
57. Radwan, A.E., **Abudeif, A.M.**, Attia, M., Mahmoud, M. (2019) Development of formation damage diagnosis workflow, application on hammam faraun reservoir: A case study, Gulf of Suez, Egypt. *Offshore Mediterranean Conference and Exhibition 27-29 March, OMC 2019, Ravenna, Italy, Ravenna, Italy, Document ID:OMC-2019-1120*
58. **Abudeif, A.M.**, Fat-Helbary, R.E., Mohammed, M.A. El-Khashab, H.M. Masoud, M.M. (2019). Estimation of the Site Effect Using Microtremor Technique at New Akhmim City,



- Akhmim, Sohag, Egypt. *Russian Geology and Geophysics*, 60(2), 231–239
<https://doi.org/10.15372/RGG2019036>,
59. M.A. Mohammed and **A. M. Abudeif**, 2019. Electrical resistivity tomography applications for the construction an educational building in New Sohag University at Al Kawamil area, Sohag, Upper Egypt. XXIII International Symposium in honor of Academician M.A Usova. Problems of geology and subsurface development 8-12 April. School of Earth Science and Engineering, National Research Tomsk Polytechnic University, Tomsk, Russia.
60. Samar Ghareeb, Rami Ibrahim, Toshiakai Yokoi, Badawy A, **Abdelbaset M. Abudeif**, Mohsen Attia, and M. El-Hadidy, 2019. Selection and evaluation of suitable of Ground Motion Prediction Equations (GMPE) in northern Egypt. First Scientific Congress of Junior Geoscientists in Egypt (SCJGE-1) 3-5 January, Geology Department, Faculty of Science, Sohag University, Egypt
61. Safaa K. Abbas, Gamal Z. AbdelAal, **Abdelbaset Abudeif** and Mohammed Hassoup, 2019. High Resolution Magnetic Survey of the Area Surrounding the Osirion at Abydos Archaeological Site, Sohag, Egypt. First Scientific Congress of Junior Geoscientists in Egypt (SCJGE-1) 3-5 January, Geology Department, Faculty of Science, Sohag University, Egypt
62. Atef M., Omar K., **Abudeif A.**, Attia M. (2018) Estimation of Site Effect Using Microtremor Technique at 15th May City, Helwan, Egypt. In: Kallel A., Ksibi M., Ben Dhia H., Khélifi N. (eds) Recent Advances in Environmental Science from the Euro-Mediterranean and Surrounding Regions. EMCEI 2017. Advances in Science, Technology & Innovation (IEREK Interdisciplinary Series for Sustainable Development). Springer, Cham
63. **Abudeif, A. M.**, Attia, M. M., EAl-Khashab, H.M & Radwan, A.E, (2018). Hydrocarbon type detection using the synthetic logs: A case study, Baba member, Gulf of Suez, Egypt, *Journal of African Earth Sciences*, 144, 176-182. <https://doi.org/10.1016/j.jafrearsci.2018.04.017>
64. **Abudeif, A.M.**, Attia, M.M., Badawy, A, El-Hadidy, M. and Ghareeb, S. A, 2018. Developing input model for selecting and evaluating GMPEs for north Egypt. *Egyptian Journal of Applied. Geophysics.*, Vol. (x), P xx,
65. **Abudeif, A.M.**, Fat-Helbary, R. E., El-khashab, H. M., Masoud, M. M. (2018). Engineering Applications of 2D Electrical Resistivity Tomography (TRT) For the proposed New Akhmim City, Sohag, Egypt. 12th International Geological Conference in Jeddah (Feb 4-8, 2018), organized by the Saudi Geological Survey and the Saudi Society for Geosciences.
66. **Abudeif, A.M.**, Alkhashab, M.H, Saad. S.E (2018). Detection of basaltic intrusion using geomagnetic survey on Kolit Fahdi, Eastern Desert, Egypt). 12th International Geological Conference in Jeddah (Feb 4-8, 2018), organized by the Saudi Geological Survey and the Saudi Society for Geosciences.
67. Mohammed, M.A., **Abudeif, A.M.**, Omar, K.A. et al. Estimation of site effect using microtremor technique at 15th May City, Helwan, Egypt. *Arab J Geosci* 11, 16 (2018). <https://doi.org/10.1007/s12517-017-3348-7>
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71. Abdelmoneam Raef, **Abdelbaset Abudief**, Sabreen Gad, Stacey Kulesza, 2016. Integration of Ultrasonic Vp and Vs into MASW inversion: Is it viable and beneficial? 29th Annual Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP At: Denver, Colorado USA
72. Abdel Moneim AA, Farrag AF, **Abudeif AM**, Seleem EM (2016) Environmental Hydrogeological Conditions of a Nuclear Power Plant Site in Egypt. *Journal of Nuclear Energy Science & Power Generation Technology* 5:1. <https://doi.org/10.4172/2325-9809.1000145>
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78. **Abudeif, A. M.**, Moneim, A. A., & Farrag, A. F. (2015). Multicriteria decision analysis based on analytic hierarchy process in GIS environment for siting nuclear power plant in Egypt. *Annals of nuclear energy*, 75, 682-692. <http://dx.doi.org/10.1016/j.anucene.2014.09.024>
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82. **Abudeif, A.M.**, Abdel Moneim, A.A, and Farrag, A.F. (2015). Hydrogeological conditions of El Dabaa area, North Western Desert, Egypt. Ann. of Geol. Surv., Egypt. (Accepted)
83. **Abudeif A.M.**, Attia M. (2014). Integrated seismic data with potential fields for Seismotectonic evaluation of great Cairo and its vicinities, Egypt. Standard Scientific Research and Essays, 2 (9), 451-463
84. Attia M. and **Abudeif A.M.**, (2013). Seismicity and Energy Release Evaluation for Future Engineering Constructions at The Northern Part Of Egypt. Annals Geol. Surv. of Egypt, 32, 297-304.
85. **Abudeif A. M.**, (2010). Geophysical investigation and geostatistical analysis for hydrocarbon detection and evaluation in Sarir Oil Field, Libya, Journal of Balkan Geophysical Society.
86. **Abudeif, A. M.** and Ali E.A. (2008). Contribution of remote sensing and seismic data for interpretation of surface and subsurface structures of Hamada field, Libya. J. Appl. Geophys., Vol. 7, No. (1), March.
87. **Abudeif, A. M.**, El-Khashab H, Mahmoud. F. A., and Mousa A. (2007). Potential field data processing and interpretation as a clue for the subsurface geologic structures manifestation of Wadi Abu Had and Wadi Abu Marwa area, Red Sea, Egypt. J. Appl. Geophys., Vol. 6, No. 2, September, 349-369.
88. Tarabees, E., El-Khashab, H. Abu El-Ata, A., Marzouk, I., El-Shahat, A., **Abudeif, A. M.** and Shokry, M. (2005). A seismic microzonation using microtremor and seismic data, A case study, Sohag, Egypt. Proceeding of the 4Th International Conference of Geology of Africa, Assiut, Egypt. November 15-16, (2005).
89. **Abudeif, A. M.** (2005). Gravity And Magnetic Modeling In Relation To The Structural-Tectonic Implications Of Esh El-Mellaha Area, Red Sea, Egypt. Journal of Applied Geophysics, Vol. 4, pp 20 - 46.
90. Abu El-Ata, A., El-Khashab, H. Tarabees, E., **Abudeif, A. M.**, Shokry, M., Abdel-Rahman, K. and El-shahat, A., (2005). Geotechnical Consideration for the foundation materials of a New Industrial Area, Sohag, Egypt. Journal of Applied Geophysics, Vol. 4. pp 1-11.
91. **Abudeif, A. M** and Attia, M. M. (2004). Detection Of The Shallow Subsurface Layers Using The Ray Synthetic Seismograms Along The Eastern Part Of The Nile Delta, Egypt. Bull. Assuit Vol. No. pp.
92. Attia, M. M. and **Abudeif, A. M.** (2004). 2D raytracing and Seismic Velocity structure modeling within a specific area of the Nile Delta, Egypt. Journal of Balkan Geophysical Society, Vol. 7, No.3 , p. 30-40.
93. **Abudeif, A. M** and Mahmoud, F. A., (2001). Subsurface structural setting as inferred from gravity and magnetic data in the area southwest of Sohag, Egypt. 2nd International Scientific Conference (Science & Development & Environmental) Cairo, 17-20 March, pp. 593-627.
94. Mahmoud, F. A., E.A. Issawy, A.H. Radwan, **A. M. Abudeif**, G.S. Hassan, and K.H. Zahran, (2001). Delineating subsurface geologic structure for the area west of Sohag, Upper Egypt, using gravity and magnetic studies” Bull. (NRIAG,) pp 147-172.

A- Papers under review:



1. **Abudeif, A.M.**, Mohammed M. A. and Hassan M. (2024). Multidisciplinary geophysical and chemical investigation for environmental impact assessment of El-Kola waste disposal site, East of Sohag city, Egypt. Environmental earth science journal.
2. **Abudeif, A.M.**, Abuelfotouh M. E. and Hassan M. (2024). Environmental assessment of climatic changes and their impact on the Great Sphinx. Environmental earth science journal.
3. **Abudeif A.M** and Attia M.A., (2024). Seismic Hazards Assessment for Engineering Characterization of The Northern Part Of Egypt. Journal of Geophysics and Engineering impress (Article reference: JGE-100407).
4. **Abudeif, A.M.**, Mohammed M. A. and Hassan M. (2024). Study of the environmental impact of decomposition of dead bodies on groundwater and soil using geophysics and geochemistry: A case study of Joheina and Banawet Cemeteries, Sohag, Egypt. Environmental earth Science.
5. Mohamed Beraaouz, Mohamed Abioui, **Abdelbaset M. Abudeif** and Jesús Martínez-Frías 2024. Khetaras in the Tafilalet and Tata oases (Morocco): An often-known historical heritage; Contribution to the promotion of tourism and sustainable development, Groundwater Journal.

B- Master's and PhD theses:

- **Abudeif, A. M., 1996:** Geophysical studies on an area lying to the southwest of Sohag city, Arab republic of Egypt. M. Sc. Thesis, Faculty of Science, Sohag, South Valley University.
- **Abudeif, A. M. 2001:** Geophysical (mainly Seismic) investigations with environmental assessment of Ras Qattara Area and vicinities, North Western Deserrt, Egypt. Ph.D. Thesis, Channel System between Faculty of Science, Sohag, South Valley University, and Geophysical Department, Karlsruhe University, Germany.

2-Supervising scientific theses:

A- Theses that have been completed:

1. **Elhamy A. A. Tarabees (2004):** The Contribution of Shallow Seismic Refraction Survey in Defining the Engineering, Characteristics of the Foundation Materials of Sohag El-Gedida City, Nile Valley. PhD Thesis, Faculty of Science, South Valley University.
2. **Ahmed Mosa Mahmoud (2004):** A geophysical study on the area lies between Wadi Abu Had and Wadi Abu Marwa on the southwestern part of Gulf of Suez. M.Sc. Thesis, Faculty of Science, Sohag, Egypt. M.Sc. Thesis, Faculty of Science, South Valley University.
3. **Adel Mohamed Taha (2008):** Integrated seismic-gravity interpretation for delineating the subsurface structure of El-Sallum area, Northern Western Desert, Egypt. M.Sc. Thesis, Faculty of Science, South Valley University.



4. **Ahmed Farag (2015):** Engineering and Environmental Applications Of Geophysical Methods For Studying The Nuclear Power Plant Site, Northwestern Coast, Egypt" Ph.D. Thesis, Faculty of Science, Sohag University.
5. **Marwa Masoud (2017):** Geophysical studies on the proposed site of New Akhmim City, Sohag, Egypt" M.Sc. Thesis, Faculty of Science, Sohag University, Egypt.
6. **Ahmed Aid Radwan (2018):** study on the petrophysical evaluation, formation pressure and formation damage at central and southern parts of Gulf of Suez, Egypt. Ph.D. Thesis, Faculty of Science, Sohag University, Egypt.
7. **Samar Ali Ghareeb (2019):** Selection and evaluation of suitable ground motion prediction equations (GMPE) in Northern Egypt. M.Sc. Thesis, Faculty of Science, Sohag University, Egypt.
8. **Marwa Masoud (2021):** Petrophysical assessment of the Jurassic sequence in Gebel El Maghara, North Sinai, Egypt. **Ph.D**, Thesis, Faculty of Science, Sohag University.
9. **Saad El-Sayed Saad (2022):** Integrated geomagnetism, GIS and remote sensing for evaluation of Kolut Fahdi, Eastern Desert, Egypt" *M.Sc. Thesis, Faculty of Science, Sohag University, Egypt*
10. **Safaa Mohamed (2022):** Archaeogeophysical investigation of the area surrounding the Osirion at Abydos archaeological site, Sohag Governorate, Egypt. M.Sc. Thesis, Faculty of Science, Assiut University, Egypt
11. **Hosameldeen Adel (2022):** Detection of deep groundwater aquifer in Wadi Elnakhil area using deep seismic refraction technique. *M.Sc. Thesis, Faculty of Science, Sohag University, Egypt*

B- Theses that have been enrolled and have not been completed yet:

1. **Fahid Mohamed Kasim (2020):** Hydrocarbon Evaluation and Reservoir Characterization of (Block S-2 Al Uqlah) Habban Oil Field, Sab'atayn Basin, Shabwah, Yemen. *PhD, Thesis, Faculty of Science, Sohag University*
2. **Samar Ali Ghareeb (2021):** Seismic anisotropy patterns beneath Egypt from shear-wave splitting measurements. PhD, Thesis, Faculty of Science, Sohag University
3. **Mahmoud Abdalla Ali (2016):** Detection of Subsurface structures as a clue for occurrence of Petroleum Traps using Potential Field Data, Wadi Araba Area, Gulf of Suez, Egypt. *M.Sc. Thesis, Faculty of Science, Sohag University, Egypt*
4. **Faten Adel (2021):** Integrated Study of Reservoir Characterization for Paleozoic - Cretaceous sandstone" reservoirs in Saqqara Field, Gulf of Suez, Egypt. *M.Sc. Thesis, Faculty of Science, Sohag University, Egypt*
5. **Amira Abdellah (2021):** Integrated Reservoir Characterization Study of the sandstone reservoirs in Hapy and Akhen gas Fields, Eastern Mediterranean region, Egypt. *M.Sc. Thesis, Faculty of Science, Sohag University, Egypt*
6. **Mohamed Abdelhamid (2021):** Structural Evolution of Wadi El Qash-Wadi Arak area, Central Eastern Desert, Egypt. PhD, Thesis, Faculty of Science, Sohag University
7. **Menatallah Ahmed (2023):** Environmental studies on the Great Sand Sea, Western Desert, Egypt. M.Sc. Thesis, Faculty of Science, Sohag University.
8. **Hesham Mahmoud (2023):** Petrophysics Study of the sandstone reservoirs in Akhen gas Fields, Eastern Mediterranean region, Egypt. M.Sc. Thesis, Faculty of Science, Sohag University, Egypt. M.Sc. Thesis, Faculty of Science, Sohag University.



9. **Marwa Ibraheem (2023):** Seismological hazard assessment of Abydos area, Al-Balyana , Sohag, Egypt. M.Sc. Thesis, Faculty of Science, Sohag University.
10. **Abdelrahman Khaled Abdelhafeez (2023):** Petrophysical study on Al-Ritqa oil field, north of Kuwait. M.Sc. Thesis, Faculty of Science, Sohag University.
11. **Ayyub Yousef Alhussein (2023):** Archeo-geophysical studies of Atrebis area, Sohag, Egypt. M.Sc. Thesis, Faculty of Science, Sohag University.

3-Obtaining funded research projects:

- 1- 1992, Agricultural Soil Analysis Project in Sohag Governorate.
- 2- 1998, Project for analysis and interpretation of active fault data in the district of Karlsruhe, Germany, with the Institute of Geophysics, Germany.
- 3- 1999, Participation in a modern geophysical prospecting project on gold deposits in the Karlsruhe region, southern Germany, under the title: Modern Geophysical prospecting of gold deposits in Karlsruhe district, Southern Germany
- 4- 2005, Participation in the mechanization project of South Valley University.
- 5- 2008, Participation in the natural gas exploration project using seismic methods in the Oases region of Gallo, Libya
- 6- 2011, Participation in the groundwater assessment project in Al-Baida region in Libya
- 7- 2015, participation in the project to assess the Dabaa area and its effectiveness in establishing the Egyptian nuclear reactor
- 8- 2018, participation in the ore's exploration project in the Umm Wael region in the Kingdom of Saudi Arabia in cooperation with Damanhur University under the title: Visualization of the ore body of Umm Wu'al mining Area, KSA.
- 9- 2020, Obtaining a project funded by the STDF Fund entitled: Archaeogeophysical investigation of the area surrounding the Osirion at Abydos Archaeological Site, Sohag Governorate, Egypt
- 10- September 2020, a project funded by Sohag University entitled: Multidisciplinary geophysical and chemical investigation for environmental impact assessment of El-Kola waste disposal site, East of Sohag city, Egypt.
- 11- October 2020, participation in the dam evaluation project in Uganda, in partnership with the Water Research Institute in Cairo.

4- Scientific excellence in attending conferences.

Attending many international and local scientific conferences specialized in the field of environment, geology, and geophysics in the countries of Germany, Austria, Saudi Arabia, Libya and Egypt (more than 35 scientific conferences), the most important of which are:

1. The Arab Conference on Astronomy and Geophysics - the seventh session - held at the National Research Institute for Astronomy and Geophysics (NRIAG) from 11 to 14 October 2021, Helwan,



2. The Fifth International Conference on New Horizons in Basic and Applied Sciences. Organized by faculty of Science (Assiut) Al-Azhar University. 26-29 September 2021, Hurghada, Egypt
3. Egypt XXIII International Symposium in honor of Academician M.A Usova. Problems of geology and subsurface development 8-12 April 2019. School of Earth Science and Engineering, National Research Tomsk Polytechnic University, Tomsk, Russia.
4. Offshore Mediterranean Conference and Exhibition 27-29 March, OMC 2019, Ravenna, Italy, , Ravenna, Italy
5. Recent Advances in Environmental Science from the Euro-Mediterranean and Surrounding Regions., Proceedings of Euro-Mediterranean Conference for Environmental Integration (EMCEI-1), Tunisia 2017
6. Submission to 2017 International Conference on Engineering Geophysics. Submission, Document ID: 17984946
7. The 8th International Conference on Water Resources and Arid Environments (ICWRAE 8) Riyadh, Saudi Arabia, 3-5 December 2018.
8. 29th Annual Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP At: Denver, Colorado, USA With paper titled "Integration of Ultrasonic Vp and Vs into MASW inversion: Is it viable and beneficial?" from 20 to 24 March, 2016
9. 13th international, Geological. Conference. Jeddah, KSA, 3-5 March, 2020
10. 12th International Geological Conference in Jeddah (Feb 4-8, 2018), organized by the Saudi Geological Survey and the Saudi Society for Geosciences.
11. International Conference on Engineering Geophysics. Submission, 2017
12. International Conference on Natural Science and Environment (ICNSE) held in Zurich, Switzerland on 26th September 2015,
13. 4Th International Conference of Geology of Africa, Assiut, Egypt. November 15-16, (2005).
14. International Conference. of Pure & Applied, Science., Luxor, 28-30 March, 2015
15. The International Conference on Research and Innovation for Sustainable Soil Management, ICRISSM 2014, Hurghada, 27th-29th of November 2014.
16. The 18th International Conference on Petroleum, Mineral Resources and Development, 8-10 February 2015. Egyptian Petroleum Research institute, Cairo, Egypt.
17. The 22TM International Conference on Petroleum, Mineral Resources and Development, February 2019. Egyptian Petroleum Research institute, Cairo, Egypt.
18. The 2nd International Conference on Petroleum, Mineral Resources and Development, February 2019. Egyptian Petroleum Research institute, Cairo, Egypt.
19. IAGA international Symposium-IV March 20 -24, 2016, Hurghada, Egypt.
20. The 8th international symposium on geophysics. November 21-21, 2016, Tanta, Egypt.
21. The 3rd International Conference on New Horizons in Basic and Applied Science (ICNHBAS) 5-7 August 2017, Hurghada, Egypt,
22. The ninth international conference on the geology of Africa, 7-9 November 2017, Assiut University,
23. The 12th International Geoscience Conference, February 4-7, 2018, Jeddah, Saudi Arabia.
24. 5Th International Conference of Geology of Africa, Assiut, Egypt. 23-24 October, (2007).
25. Tenth International Conference on The Geology of Africa (ICGA 2019) ON 19-21 November 2019,



26. Eighth International Conference on The Geology of Africa (ICGA 2015) ON 24 November 2015,
27. Seventh International Conference on The Geology of Africa (ICGA 2013) ON 24-26 November 2013,
28. Sixth International Conference on The Geology of Africa on November 2011,
29. 2nd International Scientific Conference (Science & Development & Environmental) Cairo, 17-20 March,
30. Fifth Scientific Conference for Young Researchers Organized by Sohag University on 17 February, 2019
31. Fourth Scientific Conference for Young Researchers Organized by Sohag University on 17-18 April, 2018
32. Third Scientific Conference for Young Researchers Organized by Sohag University on 17-18 April, 2017
33. Attendance of the First annual scientific day of Faculty of Science, Sohag University, Sohag, 20/4/2016.
34. Sixth Scientific Conference for Young Researchers Organized by Sohag University on 10 March 2021
35. Seventh Scientific Conference for Young Researchers Organized by Sohag University on 10 February 2022,
36. The Arab Conference on Astronomy and Geophysics, which is held every two years at the headquarters of the National Institute for Astronomical and Geophysical Research.
37. • The Egyptian Geophysical Society Conference, which is held annually.
38. • Rapporteur of the Young Earth Scientists Conference, Faculty of Science, Sohag University.
39. • Member of the Organizing Committee of the Geophysics Conference, which is held at Tanta University every two years.
40. • Member of the Organizing Committee for the Geophysics Conference held annually at the National Institute for Astronomical and Geophysical Research in Helwan.
41. • The Third International Conference on Environmental Sciences and their Applications, which was held in Aswan from 6-8 February 2020.
42. • Organizing many scientific conferences online via the web in the fields of geology and the environment.

5- International journals and periodicals in which he has reviewed research:

- Journal of African Earth Sciences (AES)
- Annals of Nuclear Energy (ANUCENE)
- Journal of Applied Geophysics (APPGEO)
- Computers & Geosciences (CAGEO)
- Journal of Contaminant Hydrology (CONHYD)
- Composites Science and Technology (CSTE)
- Environmental Impact Assessment Review (EIR)
- Engineering Geology (ENGEO)
- Environmental Pollution (ENVPOL)
- Geomorphology (GEOMOR)



- Journal of the Association of Arab Universities for Basic and Applied Sciences (JAAUBAS)
- International Journal of Applied Earth Observation and Geoinformation (JAG)
- Marine and Petroleum Geology (JMPG)
- NRIAG Journal of Astronomy and Geophysics (NRIAG)
- Journal of Petroleum Science and Engineering (PETROL)
- Progress in Nuclear Energy (PNUCENE)
- Remote Sensing of Environment (RSE)
- Journal of Structural Geology (SG)
- Soil Dynamics and Earthquake Engineering (SOILDYN)
- Science of the Total Environment (STOTEN)
- Cretaceous Research (YCREG)
- Arabian Journal of Geoscience
- Environmental Earth Science Journal
- Survey of Geophysics
- Applied Sciences MDPI
- Water MDPI

6- Journals in which he works as an editor:

- Sohag Journal of Sciences
- Arabian Journal of Geosciences
- African Earth Sciences
- Environmental and Engineering Geophysics
- Egyptian Journal of Earth and Environmental Sciences
- Journal of Environmental studies

7- Theses that were reviewed by him:

He reviewed 15 PhD and 18 master's theses in the field of environmental sciences, applied geophysics, engineering, environmental and theoretical physics.

8- Scientific projects that he was reviewed

He reviewed 12 scientific projects of the Science and Technology Development Fund (STDF) in the field of environment, geology and geophysics.

9- Scientific consulting and service business:

- A certified consultant from the Syndicate of Scientists in Egypt in the field of environmental studies and community service.
- Conducting environmental studies for several factories in Sohag Governorate
- Making several environmental reports for drilling wells in Sohag Governorate
- Numerous scientific consultations in the field of engineering and environmental geophysics at Sohag University to obtain a scientific opinion on whether the site is suitable for construction or not from the perspective of geophysics and geology.
- Conducting several investigations (Electrical Resistivity Tomography ERT) to search for groundwater for civil society in Sohag and neighboring governorates.
- Exploration of the archaeological areas in Sohag Governorate through the ground magnetic and GPR survey of some archaeological areas in Sohag Governorate.



- Environmental, geological and geophysical consultations for government agencies, factories and mines
- Advisory work for the Sohag Governorate for the Irrigation Directorate to choose the most suitable sites for the work of the Galawia Dam.
- Training on the use of the ground penetration radar (GPR) to conduct scientific research and environmental, engineering and geophysical consultations.
- Creation of Sohag student chapter of the Society of Exploration Geophysical (SEG) in USA and obtaining the award for the best chapter in the world in 2017.
- Creation of the Society for Mining, Metallurgy and Exploration (SME) 2019 student chapter of the State of Colorado, USA. And obtaining the first place award in the world in 2022.
- Member of the jury of professors and assistant professors in the field of geophysics and astronomy, where he reviewed many cases of promotion of professors and assistant professors in the field of environmental and geophysical sciences.
- Member of the jury of professors and assistant professors in the field of geophysics and geology. For research institutes, where he has reviewed many cases of promotion of research professor and research assistant professor.
- Member of the Scientific Committee for Water Resources at the Desert Research Center for the Promotion of Professors and Assistant Professors - Cairo - Egypt
- Member of the Scientific Committee for Geology and Astronomy and its Applications affiliated to the Supreme Council of Universities for the promotion of professors and assistant professors' session (14) - Cairo – Egypt

10- Obtaining scientific awards from various parties:

Scientific awards were obtained (more than 8 awards):

1. Obtaining first place in the world in a student activity supervised by me on the Global Mining Chapter in the United States of America, SME Sohag University Student Chapter, and obtaining a financial award of \$500 and a certificate of appreciation.
2. Scientific Publication Award for the year 2015: My research is selected from the best research published in the Annals of Nuclear Energy (Elsevier) over a period of six consecutive months.
3. Distinguished Faculty Member Award 2008: from Garyounis University - Libya.
4. Distinguished Faculty Member Award 2011: from Garyounis University - Libya.
5. Scientific Publication Prize for (6) consecutive years from 2015 - 2022- AD: in international scientific journals with a high impact factor, from Sohag University - in Egypt
6. I was chosen number nine at the level of Egypt in the scientific publication in the field of geophysics in 2020
7. The Best Applied Research Award at the International Conference on Geology, which was held in Jeddah, Saudi Arabia, from 3-5 March 2020.

Second: organizational competence and leadership skills

1- Assuming various academic administrative positions for many years

- From January 2020 until now: President of the Faculty Members Club at Sohag University,
- From February 2021 until now: leader of the Scientific Syndicate in Sohag Governorate



- From August 25, 2019 until August 15, 2021: Vice Dean of the Faculty of Science for Community Service and Environmental Development at Sohag University - Egypt
- From October 2015 until August 15, 2019: Head of the Geology Department, Faculty of Science - Sohag University.
- September 2005 to August 2008 Head of the Petroleum Engineering Department, Faculty of Engineering (Wahat), Garyounis University, Libya.
- October 2007-August 2008 Acting Dean of the faculty of Engineering (Wahat - Gallo), University of Garyounis, Libya.
- From September 2022 until now: Member of the Standing Scientific Committee for Geology, Astronomy and its Applications.
- From September 2021 to date: Member of the Permanent Scientific Committee for Water Resources at the Desert Research Center of the Ministry of Agriculture.
- From March 2020 until now: Member of the National Committee for geophysics and Earth Measurements at the Academy of Scientific Research at the Ministry of Higher Education.
- From February 2018 to November 2021: Director of the Community Services Marketing Center, Faculty of Science - Sohag University.
- From November 2021 until now: Member of the Board of Directors of the Community Services Marketing Center, Faculty of Science - Sohag University.
- From February 2018 to September 2021: Director of the Computer Science Training Center at the Faculty of Science - Sohag University.
- From May 2015 until now: Academic Supervisor of the Sohag University SEG Student Chapter Advisor for Society of Exploration Geophysics.
- From November 2019 to date: Sohag University Student Chapter Advisor of Society For Mining, Metallurgy and Exploration (SME).
- From September 2012 until August 2015: Deputy Project Management Information Systems MIS
- From September 2012 to January 2020: Secretary of the Faculty Members Club at Sohag University.
- From September 2008 to August 2011, Director of the Quality Assurance Unit, Faculty of Engineering, Benghazi, Garyounis University, Libya.
- From January 2018 until now: Chairman of the Board of Directors of the Cooperative Housing Association for faculty members at Sohag University.
- From 2015 until now: Secretary General of the Family Association, Faculty of Science, Sohag University.



- From August 2020 to date: Treasurer of the Association for the Services of Faculty Members and Their Assistants at the College of Science.
- From August 2020 to date: Director of the Fund for the Care of the Families of Deceased Faculty Members.

2- Serving the university while on the job

- University representative as a member of the Standing Scientific Committee for Geology and Astronomy and its Applications (14th session) of the Supreme Council of Universities.
- University representative as a member of the Permanent Scientific Committee for Water Resources at the Desert Research Institute in El-Matareya, affiliated to the Ministry of Agriculture.
- University representative as a member of the National Committee for Terrestrial Nature and Earth Measurements of the Academy of Scientific Research.
- The library of the Geology Department in the college donated 3 copies of the geological atlas to identify minerals under a microscope, which was authored by me.
- University representative as an arbitrator in the permanent scientific committee (geology, astronomy and its applications) for the promotion of professors and assistant professors, session No. (12 and 13).
- University representative as an arbitrator in the permanent scientific committee (geology and geophysics in research centers).
- Member of the Board of Directors of the Quality Unit at the College of Science 10/18/2015.
- Member of the Board of Directors of the Training Unit at the College of Science 4/19/2018.
- Coordinator of the Geophysics Laboratory, College of Science, 20/2/2012.
- Member of the Board of Directors of the Crises and Disasters Unit, College of Science, 3/21/2018.
- Rapporteur of the Young Earth Scientists Conference at the Faculty of Science, Sohag University, January 2019.
- University representative as a member of the Organizing Committee of the Eleventh and Twelfth International Conference on Geophysics annually organized by the Faculty of Science at Tanta University.
- University representative as chair of a scientific opening session at the Eleventh International Conference on Geophysics organized by the Faculty of Science at Tanta University on Tuesday, November 24, 2020
- University representative as session chair at the Tenth International Conference on Geophysics organized by the Faculty of Science at Tanta University and held on Tuesday 20/11/2018



- Member of the committee proposing the construction of Sohag-Hurghada Road.
- Member representative of the Organizing Committee of the Annual International Conference on Geophysics and Astronomy held at the National Institute for Astronomical and Geophysical Research.
- From June 2001 to August 2005, he taught computers in the graduate youth project of the Ministry of Communications, which was held at South Valley University in Sohag, and taught the following programs:
 - Introduction to the computer, Microsoft Windows, Advanced Microsoft Office, Visual Basic.net, Basic, Advanced Microsoft Access, HTML Language, and Photoshop
 - Creating a database to show the results of the exams of the Faculty of Science in Sohag on the Internet (2005)
- Member of the work team of the South Valley University mechanization project 2005
- Head of Community Service Standard at the College of Science from 2018 to 2021.
- Member of the Cultural Relations and Research Committee at the Faculty of Science, Sohag University for the academic year 2015/2016.
- Member of the Graduate Studies and Research Committee, Faculty of Science, Sohag University 2014/2015.
- Head of the student delegation and representative of South Valley University in Sohag, who participated in the activities of the Sixth Conference of Student Unions of Egyptian Universities in the period from 19-22/7/2005 AD: which was held at the Suez Canal University, and was concerned with discussing and developing the regulations of the Student Union of Egyptian Universities.
- Pioneer of the first student cohort of South Valley University in Sohag, participating in the Leaders Preparation Institute camp in Helwan, in the session held from 1/7-6/7/2005 AD, among the delegations of the participating Egyptian universities.
- Head of the student delegation and representative of South Valley University in Sohag, participating in the activities of the Fifth Conference of Student Unions of Egyptian Universities at Menoufia University, which is concerned with discussing and developing the regulations of the Student Union of Egyptian Universities in the period from 10-14/4/2005.
- Chairman of a session in the activities of the Young Researchers Conference, which is held annually at Sohag University
- Chairman of a scientific session at the sixth scientific conference for young researchers, the “first international” - Sohag University, which was held on 3/10/2021.



- Member of the Libraries Committee, Faculty of Science, Sohag University for the academic year 2018-2021.
- Member of the Community Service and Environmental Development Committee at the Faculty of Science, Sohag University, from 2018-2021 AD
- Member of the Student Affairs Committee, Faculty of Science, Sohag University, from 2012-2013
- Leader of the Cultural Committee of the Sohag University Student Union 2011-2013.
- Leader of the Sports Committee of the Sohag University Student Union 2003-2004.
- Pioneer of the social paradise and trips during the academic year 2002/2003
- Coordinator of the Department of Geology in Education Development Programs, Faculty of Science, Sohag University, 2012.
- Member of the committee for setting the new regulations for the credit hours system at the Faculty of Science, Sohag University, 2020.
- Major of a family, beginning at the Faculty of Science, for three consecutive academic years from 2018-2020.
- Major General of the Scouting and Public Service Committee of the College of Science Students Union for 5 consecutive years (2001-2005).
- A representative of Egyptian scholars and envoys in Germany in the delegation participating in the conference of scholars and envoys abroad, which was held in Aswan in August 2004 with the German DAAD.
- Member of the Association of Egyptian Students and Envoys in Germany 1998, from September 1998 to September 2001.
- Head of the scientific trip to Aswan for third and fourth year students 2016/2017.
- Member of the committee formed to select the dean of the Faculty of Science 2012.
- Member of the Board of Directors of the residences of the entire teaching staff.
- Cooperating with the Egyptian police in examining the devices that were seized with outlaws to excavate for antiquities. Two devices were seized by the Al-Balina Police Department, and they were examined and a comprehensive report was given about them. They were donated to the Faculty of Science for use in scientific research.
- University representative as a member of the control of grades at the Higher Institute of Social Service in Sohag from 2003 to 2005 and from 2012 to 2015.
- The establishment of a cultural salon in the faculty members' club on Thursday of every week to host senior scholars specialized in various fields of various sciences.



- The applicant has a prominent role in issuing the department's library with modern books and periodicals through his continuous travel to the International Book Fair in Cairo as a representative of the department.
- The applicant has established an electronic library in the department containing many applied programs, books, periodicals, and important research for the pastor.

3- Participation in the preparation of strategic planning for the university and the college,

- Through the issuance of the university's strategic plan 2020/2021 to 2024/2025. I had the honor to participate in it as the agent of the College of Science for Community Service and Environmental Development, where I participated in the university and college meetings on strategic planning for both the university Or the college, and the strategic plan of the university included a number of strategic goals focused on aspects, the most important of which are graduates, applied research, the development of university hospitals, etc. This plan has been taken into account as one of the pillars of the presented vision, and I have participated in meetings and workshops related to the strategic plan of the university. My participation in the field of strategic planning at the college level was through:
- My review of the college's strategic plan with the Quality Unit team, in light of the development of the College of Science.
- Member of the administrative and executive team to prepare the college's strategic plan.
- Participation in the workshops of environmental analysis teams of the college's strategic plan.
- Participate in the formulation of the vision, mission, and goals of the college.
- Participate in the strategic plan preparation sessions and identify the university's strengths, weaknesses, opportunities, and threats.
- Participation in a meeting to review the formulation of the university's strategic plan 2020/2021 to 2024/2025.
- reviewer of teaching and learning strategy, Faculty of Science, South Valley University, Qena.

4- Experience in the Field of Quality and Accreditation:

1. Member of the Quality Assurance and Accreditation Center for the College of Engineering - Garyounis University, Libya, from 2007-2011
2. Executive Director of the Course Update Project for Geology and Petroleum Sciences, Faculty of Engineering, Garyounis University, Libya, from 2007-2011
3. Member of the Board of Directors of the Project Management Unit - Garyounis University, Libya, from 2007-2011



4. Coordinator of the Geophysics Program at the College of Science in Sohag - Department of Geology (2013-2016)
5. Member of the Board of Directors of the Quality Assurance Unit, Faculty of Science, Sohag University
6. Participated as head of the geology department in contributing to the science faculty at Sohag University obtaining accreditation and renewing accreditation from the National Authority for Quality Assurance of Higher Education.
7. Obtaining a strategic planning course for colleges and institutes of higher education (13-14 October 2018)
8. Obtaining a self-evaluation course for colleges and institutes of higher education (22 to 24 October 2019)
9. Obtaining a course of program and course description for higher education colleges and institutes (27 to 29 October 2019)
10. Obtaining an external review course for colleges and institutes of higher education (10 to 12 November 2019)
11. Obtaining a course on examination systems and student evaluation for colleges and institutes of higher education
12. Obtaining a course on effective teaching and learning strategies for colleges and institutes of higher education
13. Certified reviewer for accrediting colleges and institutes of higher education Academic Excellence and Research Activities:

5- Participate in the development management at the university

In light of the stages of the Faculty of Science at Sohag University of Academic Accreditation, I have reviewed the study plans for the undergraduate stage, according to quality standards, as well as the good preparation of the study plans for graduate studies programs. In addition, I participated in the development department, through my membership in the relevant committees, as follows:

- 1- Head of the Community Service Standard at the Faculty of Science from 2018 to 2021.
- 2- Member of the Board of Directors of the Quality Unit from 2015 to 2021.
- 3- Coordinator of the Geophysics Program in the Department of Geology.
- 4- Solve many problems at the university in interference with the university president as president of the university's faculty club
- 5- A member of the henna preparation of the undergraduate program regulations with the approved hours system



- 6- Member of the Committee for the Preparation of the Graduate Studies Regulations with the approved hours system
- 7- Member of the Committee of Cultural Relations and Research at the Faculty of Science in Qena, South Valley University for the academic year 2015/2016.
- 8- Member of the Development Plan Development Committee for the Department of Petroleum Engineering - Garywis University - Libya.
- 9- Member of the committee to develop the graduate studies plan for the Petroleum Engineering Department - Garywis University - Libya.
- 10- Member of the Committee for the Development of the Graduate Studies Plan for the Department of Petroleum Engineering - Garywis University - Libya.

6- The ability to bring about institutional development within the framework of his presidency of the college or university:

- 1- During my presidency of the Geology Department, Faculty of Science, Sohag University, the first conference of young earth scientists took place for the first time.
- 2- During my work as an agent for the College of Sciences, a guide for community service was created in the College of Sciences and distributed to civil society.
- 3- The work of several international and local protocols.
- 4- Member of the Founding Committee of the First Scientific Conference of the Faculty of Science, held at Sohag University, January 2019.
- 5- Preparing a guide for chemical waste disposal methods at the College of Science and circulating it to the university.
- 6- Member of the Board of Directors of the Quality Assurance Unit in the College.
- 7- A member of the self-study preparation teams in the college.

7- Contribute to the academic development of the institution by developing new programs needed by the community served by the university

- 1- Geophysics programs have been added to the Department of Geology, which is its coordinator and list maker
- 2- Adding new postgraduate programs in geophysics, such as the Petrophysics Program, Engineering and Environmental Geophysics, and the Effort Program.
- 3- A proposal for a diploma in archeology geology, which is being approved.
- 4- A proposal for a diploma in remote sensing and geographic information systems, which is being approved by the sector committee.



- 5- Participating in the preparation of the list of postgraduate studies to become a system of credit hours and the development of new programs in it to keep pace with scientific progress, as well as new and rare majors.
- 6- Participate in making a list of undergraduate programs to become a credit hour system.
- 7- Holding periodic meetings to follow up on developments in the description of programs and courses for the list of approved hours.
- 8- Participation in the formation of committees for the internal review of academic programs from faculty members in the scientific departments to review the programs applied according to the credit hours list system.
- 9- Work on creating new colleges that meet the needs of the labor market in Upper Egypt, such as the College of Earth Sciences and Natural Resources, and their regulations are being finalized.
- 10- A geophysics program for petroleum and mining is being prepared with a team from the Department of Geology at the College.

8- Participate in devising the necessary mechanisms to link the university with industry and various community issues

- 1- Making convoys from the College of Science to factories and various educational institutions.
- 2- Training students in factories, oil companies, mines, water companies and neighboring institutions.
- 3- There is a central laboratory in the Faculty of Science that serves the university and the outside community.
- 4- Director of the Community Services Marketing Center at the university from 2018 to 2021 and a member of it now, which serves the surrounding community such as engineering and geological consultancy, which provides its services to the university and the external community.
- 5- Providing scientific advice to neighboring factories and quarries.
- 6- Holding periodic meetings with the community parties, in which opinions are exchanged in order to improve and develop the study programs to ensure that the graduate's specifications are appropriate to the requirements of the labor market, and to identify problems that concern society and industry and try to find solutions to them.
- 7- Establishing a cooperation protocol with Qena Cement Factory, according to which projects, joint research and training of students will be completed.

9- Participation in the generation of self-financial resources:



College-themed units have been developed such as:

1. Director of the College's Community Services Marketing Center, which provides its services to the university and the external community.
2. Obtaining a project funded by the Science and Technology Development Fund at 2 million pounds.
3. A project of 50 million pounds is being submitted to the World Bank, and we hope to obtain it.
4. Director of the College's Computer Science Training Center, which offers ICDL TEACHER courses and exams.
5. Responsible for geophysical consultations to search for groundwater and conduct studies that generate significant income for the university and college.
6. Developing specialized postgraduate programs.
7. A special program is being worked on for expenses, which is the Petroleum and Mining Program and the Diploma in Archeology Geology for undergraduate and postgraduate students.
8. The regional geophysics center is being established for the southern Upper Egypt region.

10- Having a strong personality capable of leading and influencing others:

I have previously worked with different levels; Leadership and influencing others was the main factor as indicated by the positions I held as follows:

1. President of the Faculty Members Club at Sohag University.
2. Executive Director of the Faculty Members Club at Sohag University.
3. Secretary General of the Scientific Syndicate Branch in Sohag Governorate.
4. Member of the Board of Directors of the Society for Community Development and Environmental Preservation in Sohag Governorate.
5. Member of the Board of Directors of the Banawait Youth Center in the Maragha Center, Sohag Governorate.
6. Chairman of the Board of Trustees of Banaweet Secondary School, Maragha Center, Sohag Governorate.
7. Chairman of the Board of Trustees of Banaweet Primary School, Maragha Center, Sohag Governorate.
8. Rapporteur of the First Young Earth Scientists Conference at the Faculty of Science, which was held at Sohag University on 1/1/2019.



9. Member of the Organizing Committee of the Annual Young Researchers Conference at Sohag University
10. Chairman of the Community Service and Environmental Development Committee at the College of Science from the academic year 2018 to 2021.
11. Chairman of the Libraries Committee at the College of Science from the academic year 2018 to 2021.
12. Chairman of the Board of Directors of the Geophysics Laboratory, College of Science.
13. Head of the student delegation and representative of Sohag University, who participated in the activities of the Sixth Conference of Student Unions of Egyptian Universities in the period from 19-22/7/2005 AD, which was held at the Suez Canal University, and was concerned with discussing and developing the regulations of the Student Union of Egyptian Universities.
14. Pioneer of the first student regiment of Sohag University, participating in the Leaders Preparation Institute camp in Helwan, in the session held from 1/7-6/7/2005 AD, among the delegations of the participating Egyptian universities.
15. Head of the student delegation and a representative of Sohag University, participating in the activities of the Fifth Conference of Student Unions of Egyptian Universities at Menoufia University, which is concerned with discussing and developing the regulations of the Student Union of Egyptian Universities in the period from 10-14/4/2005.
16. Member of the Board of Directors of the Union of Arab Students and Envoys in Germany.

Third: Standards of governing values and positive interaction in the light of preserving the Egyptian identity

1. Participate in linking the university with foreign and regional universities bilaterally and through relevant federations and organizations:

The vision presented for the development of the university included:

- Introducing human resource exchange programs with leading universities such as Kansas State University in America and Keele University in Germany.
- Develop postgraduate programs and encourage joint programs.
- Two global student chapters worked with American organizations, one of which is the Geophysical Exploration chapter (SEG), which ranked first in the world in 2016, and the other chapter is the SME mining chapter, and the mining chapter got first place in the world this year.



- The work of many cooperation protocols with foreign universities and regional universities such as:
 - A cooperation protocol between Sohag University and Kansas State University in the United States of America.
 - A cooperation protocol between Sohag University and the National Research Center.
 - A cooperation protocol between Sohag University and the National Institute for Astronomical and Geophysical Research.
 - A cooperation protocol between Sohag University and the Egyptian Company for Space and Satellite Technology.
 - A cooperation protocol between Sohag University and the Environmental Affairs Agency in the Red Sea Governorate.
 - A cooperation protocol was drawn up between Sohag University and the Petroleum Research Institute - Nasr City
 - A cooperation protocol between Sohag University and the Syndicate of Scientific Professions
 - A cooperation protocol between Sohag University and the National Authority for Remote Sensing
 - Cooperation protocol between Sohag University and Qena Cement Group
 - Implementation of many cooperation protocols between the Faculty of Science, analysis laboratories, hospitals and pharmacies in the governorate.

2. Fluent knowledge of more than one foreign language

- Fluency in English, German and the basics of the French language

3. Psychological and social balance through the different sites that it imitates:

Through my work as president of the Faculty Members Club, head of the Scientific Syndicate in Sohag Governorate, head of the Geology Department, then Vice Dean of the Faculty of Science for Community Service and Environmental Development, director of the Marketing Center for Community Services at Sohag University, director of the Faculty Members Club at the University, and Chairman of the Board of Directors of the Faculty Members and Associates Housing Association And Director of the Fund for the Families of Deceased Faculty Members, many situations that promote psychological and social balance have been dealt with through balanced dealing with students of different views: and faculty members of all levels: as well as all concerned parties inside and outside the university with high efficiency.

4. Having a strong personality capable of leading and influencing others



I have previously worked with various levels; Leadership and influencing others were the main factors, as indicated by the positions I held as follows:

- 1- Member of the Board of Directors of the Faculty Members Club at Sohag University.
- 2- Executive Director of the Faculty Members Club at Sohag University.
- 3- Secretary General of the Scientific Syndicate Branch in Sohag Governorate.
- 4- President of the Scientific Union - Sohag branch
- 5- Member and Board of Directors of the Society for Community Development and Environmental Preservation in Sohag Governorate.
- 6- Founder and member of the Board of Directors of the Banawait Youth Center in the Maragha Center in Sohag Governorate.
- 7- Member of the Board of Trustees of Dar Al-Arqam School in Sohag Governorate.
- 8- Chairman of the Board of Directors of the Building and Housing Association for faculty members and their assistants at Sohag University.
- 9- Vice-Chairman of the Board of Trustees of the Secondary School in the village of Bnawet in Maragha.
- 10- Representative of the Scientific Union branch in Sohag, the General Syndicate in Cairo.
- 11- Member of the Board of Directors of the residences of the entire faculty at Sohag University.

5. Enjoying a good reputation, morals, commitment and respect among the employees of the institution.

Praise be to God, throughout the history of my work at the university and various institutions, I was an example of commitment and teamwork, and then I was not subjected to any legal accountability. I received a number of awards and honors (8 awards have already been mentioned), as well as commitment to work in many aspects as follows:

- 1- A- Member and editor-in-chief of six international and local magazines
- 2- Attending more than 35 local and international conferences, about 72 training courses and more than 30 workshops under my organization.
- 3- B- Arbitrator for more than 24 international and local journals
- 4- Referee for research projects at Omar Al-Mukhtar University and Al-Fateh University in Libya.
- 5- An arbitrator for theses in the Universities of Bright Star and Al-Fateh University in Libya.
- 6- Referee for research projects submitted to the College of Engineering, Department of Petroleum Engineering, Libya.
- 7- Referee for research submitted to the Journal of Environmental Studies at Sohag University.



- 8- Referee of scientific theses in Egyptian universities, more than 20 master's and doctoral theses in almost all universities in Egypt.
- 9- Referee of projects submitted to the ISEF Science and Engineering Exhibition 2018 at the Ministry of Education.
- 10- Arbitrator of Science and Technology Development Fund (STDF) projects (four projects)
- 11- Referee of promotion files for professors and assistant professors in the universities of the Arab countries (Saudi Arabia - Iraq - Jordan), a case in each country.
- 12- Referee of promotion files for professors and assistant professors in Egyptian universities (more than 15 cases)
- 13- Arbitrator of promotion files for professors and assistant professors in research institutes at the Ministry of Higher Education (more than 15 promotion cases)
- 14- An arbitrator for the ideal student competition at the university level for the academic year 2018/2019, 2019/2020.

Attending courses and workshops

- 1- Obtaining a course for running for the presidency of the university from the National Training Institute in Sheikh Zayed 2021.
- 2- Obtaining the nomination course for the dean of the college from the Capacity Development Center in Hama Sohag 2021
- 3- Treatment and recycling of solid waste in Sohag Governorate. A workshop within the fifth environmental week at Sohag University, March 8, 2022
- 4- Online Workshop entitled: Geoparks and Geotourism as an initiative for Achieving Goals of 2050, 2063, and COP27 (Part 2). National Research Centre, Cairo, Egypt March 8, 2022
- 5- Virtual Veterinary Vaccine Workshop 2021 on 6th – 7th May 2021.
- 6- Attending and organizing an online scientific webinar through the Google Meet program entitled “Discovery of new Minerals”, in which Prof. Dr. Hassan Helmy, Professor of Economic Materials, Faculty of Science, Minia University, lectured on Monday 4/19/2021 AD
- 7- Attending a digital transformation course entitled: “Fundamental of Digital Transformation Certificate, 5 Mandatory Modules+ 2 Electives (Mobile App. – Web Editing) at Sohag University, March 2021
- 8- Attending and organizing an online scientific webinar using the webex program on "Contemporary Challenges towards a Sustainable Healthy Environment in Sohag" Saturday 8/15/2020



- 9- The scientific meeting "How to formulate educational goals for the course" on the I want platform (31-3-2020)
- 10- "Testing and Evaluation Using Multiple Choices" workshop on the I want platform (31-3-2020)
- 11- "Preparation Presentation Skills" workshop on the I want platform (1-4-2020)
- 12- Workshop "How to use the ZOOM program in distance learning" on the I want platform (1-4-2020)
- 13- Active participation in the symposium "Early Detection of Breast Cancer" held on Tuesday 10/19/2019 at the Faculty of Science, Sohag University
- 14- Attending a workshop entitled "International Classification and Number Deception" 10/16/2019 AD at Sohag University
- 15- Attending a workshop entitled "Ground Penetration Radar (GPR) Principals and applications in Exploration Geophysics" held on 3/5/2019 at Sohag University through the Egyptian Company for Space Applications and Remote Sensing
- 16- A training workshop on developing university leadership skills (modern competencies for university leaders) at Sohag University 4/24/2018
- 17- Attending and organizing a workshop entitled "Structure Geology", in which Prof. Dr. Zakaria Hemimi, Head of Geology Department, Faculty of Science, Benha University, lectured at the Faculty of Science in Sohag on 20/2/2018
- 18- Attending and organizing a workshop entitled "Synthetic Control of Alkaline/Super-Alkaline Polymetallic Minerals in the Arabian Shield, Saudi Arabia", in which Prof. Dr. Maher Abdel Latif Al-Amawi, Professor of Structural Geology, Department of Geology, Faculty of Science, Benha University, lectured at the Faculty of Science in Sohag on 3/8/2018
- 19- Attending a workshop entitled "Activating the Website", in which Prof. Dr. Mustafa Gamal El-Din Taha, Professor of Environmental Geology, Department of Geology, Faculty of Science, Sohag University, lectured at the Faculty of Science in Sohag on 9/6/2018.
- 20- Attending and organizing a workshop entitled "Petroleum System" in which Eng. Mohamed Hassan Mansour lectured at petroleum companies at the Faculty of Science in Sohag on 10/25/2018
- 21- Attending and organizing a workshop entitled "Introduction for Drilling and Mud Logging", in which both Eng. Diab Saad and Eng. Mahmoud Hefny lectured at oil companies at the Faculty of Science in Sohag on 11/3/2018.
- 22- Attending and organizing a workshop entitled "Discussion on the Theory of Building the Pyramids of Giza" in which Dr. Farid Mahmoud Makroum, Assistant Professor of Structural



- and Structural Geology, Faculty of Science, Mansoura University, lectured at the Faculty of Science in Sohag on 12/5/2018
- 23- Attending and organizing a workshop entitled “Earth Tectonics” in which Dr. Farid Mahmoud Makroum, Assistant Professor of Structural and Structural Geology, Faculty of Science, Mansoura University, lectured at the Faculty of Science in Sohag on 6/12/2018
 - 24- Attending a workshop entitled: "New Standards for Accreditation of Higher Education Institutions" Tuesday 17/1/2017
 - 25- Attending a workshop entitled: "The Strategic Plan for the College of Science" Wednesday 3/5/2017
 - 26- Attending a workshop entitled “Exam paper specifications and the most important points extracted from the report of the Examination Papers Evaluation Committee on Saturday 12/17/2016 at the Faculty of Science, Sohag University
 - 27- Attending and organizing a workshop entitled “Applications of Engineering Geology in the Field of Environment, Community Service,” in which Eng. Khaled Ahmed Fathi lectured in oil companies, at the Faculty of Science in Sohag on 4/3/2017.
 - 28- Attending a workshop on the "Fulbright Egyptian Researcher Program" 2-3-2017, Faculty of Science, Sohag University, Sohag, Egypt.
 - 29- Attending a workshop on "New Standards for Accreditation of Higher Education Institutions" 17-1-2017, Faculty of Science, Sohag University, Sohag, Egypt.
 - 30- Attending a workshop on “Project Financing by the European Union, the “Erasmus” program for the development of higher education and its mechanisms, 1-1-2017, Faculty of Science, Sohag University, Sohag, Egypt.
 - 31- Attending and organizing a workshop entitled "Basic Seismic Acquisition and Interpretation", in which Dr. Hatem Farouk lectured in oil companies, at the Faculty of Science in Sohag on 10/28/2017
 - 32- Attending and organizing a workshop entitled “Mineral Ores in Al-Qusayr Region in the Red Sea, in which Prof. Dr. Elhamy Abdel Aziz Trabis, Dean of the Faculty of Science in Damanhur, and Dr. Svetlana Kovacikov from the State of Romania, lectured at the Faculty of Science in Sohag on 12/18/2017
 - 33- Attending a workshop on the Al-Amal Petroleum Project and attending a lecture entitled "Petroleum Explorations in Egypt - Methods for Obtaining Seismic Information and How to Treat It" in which Eng. Shadi Attia lectured at Halliburton Petroleum Company at the Faculty of Science, Sohag University on 20/2/2016



- 34- Attending a workshop on the Amal Petroleum Project and attending a lecture entitled “Mud Logging”, in which Eng. Ahmed Nabih, Halliburton Petroleum Company, lectured at the Faculty of Science, Sohag University on 2/18/2016
- 35- Attending a workshop on Al-Amal Petroleum Project and attending a lecture entitled “Oil Management and technical soft skills” in which Eng. Youssef Al-Sharif at Halliburton Petroleum Company lectured at the Faculty of Science, Sohag University on 21/2/2016
- 36- Attending a workshop entitled “Formation Pressure, Mud logging and Pressure Engineering” in which Eng. Dr. Ashraf El-Shorbagy, Halliburton Petroleum Company, lectured at the Faculty of Science, Sohag University on 4/21/2016
- 37- Attending a workshop entitled "The Use of Remote Sensing and Geographic Information Systems in Evaluating Natural Hazards" which was lectured by Dr. Ahmed Mohamed Youssef at the Geological Survey in Jeddah, Kingdom of Saudi Arabia on 8/5/2016
- 38- Attending a workshop entitled "Formation Evaluation and Core Analysis" in which Prof. Dr. Bassem Sayed Nabawy, Head of the Geophysics Department at the National Research Center in Dokki, lectured on 9/19/2016
- 39- Attending and organizing the Geology Students Development Initiative, in which a distinguished group of engineers from petroleum companies in Egypt lectured for 7 consecutive weeks, the first Saturday of each week. The initiative dealt with the following topics:
 - Introduction and Soft Skills (1/10/2016)
 - Operations and well-logging (8/10/2016)
 - Formation evaluation and well-logging (10/15/2016)
 - Seismic data acquisition and processing (October 22, 2016)
 - Seismic data interpretation (5/11/2016)
 - Geological interpretation (11/12/2016)
- 40- Attending and organizing a workshop entitled “Gold is the future of Egypt, its presence and methods of extraction and manufacturing”, in which Eng. Sami Al-Rajhi lectured at the Sukari Mine, at the Faculty of Science in Sohag on 11/19/2016
- 41- Attending a workshop entitled "Course and Program Description, and How to Prepare Course and Program Reports", December 13, 2016, Faculty of Science, Sohag University, Sohag, Egypt.
- 42- A workshop entitled "Environmental Priorities in Sohag Governorate during the Next Five Years" at the Faculty of Science, Sohag University 12/19/2015



- 43- Attending the Scientific Publishing Secrets workshop 1/1/2015. Faculty of Science, Sohag University, Egypt
- 44- Attending a workshop on "What is the Illite?" which was attended by Prof. Dr. Abdel Hamid Al-Shater, Faculty of Science, Sohag University, on 11/30/2015
- 45- Attending a workshop on "Clay Minerals as Nanomaterials", which was attended by Prof. Dr. Abdel Hamid Al-Shater, Faculty of Science, Sohag University, on 12/14/2014
- 46- Attending a workshop on analysis and purification of drinking water at the Drinking Water and Sanitation Company in the village of Nida in Sohag on 8/10/2014.
- 47- Attending a workshop on "How to Present Scientific Data" by DAAD Academy Cairo, Sohag University, April 13, 2014.
- 48- Attending a workshop on "Scientific Thinking and Argumentative Skills to Solve Problems" during the DAAD Academy Cairo, Sohag University, 12-April 2014.
- 49- Attending a workshop on the skills of using global databases in global research, Sohag University, Sohag, 10/5/2012
- 50- Attending a workshop on establishing scientific journals and how to obtain international rankings, Sohag University, Sohag 8/25/2012
- 51- Attending a course on "How to Face Natural Disasters at South Valley University, Sohag Branch, 2003
- 52- Attending a conference on nuclear energy in the past, present and future, Sohag University, Sohag, Egypt 7/3/2012.
- 53- Attending a workshop on "Earth's magnetic induction" held in Giza from 18-24 September 2010
- 54- Held a course on remote sensing application techniques in cooperation with the Center for Archeology Studies and Research, Faculty of Archeology, Sohag University, April 2016
- 55- Hosting an initiative to train students of geology and geophysics departments, in cooperation with oil companies, in the presence of 20 specialized engineers, on Saturday of every week for a period of six weeks in 2016.
- 56- Holding a series of public lectures for the Faculty of Science periodically during the presidency of the department in all disciplines for public benefit
- 57- Participation in the fourth environmental week of the university from 22 to 25 February 2020
- 58- Participation in the "Second Environment Festival", which was organized by the Environmental Protection Association, with the participation of Sohag University, Sohag Governorate and the Directorate of Social Solidarity, from 6 to 8 May 2018.



59- Attending three advanced track courses Trainer ID: U16C18131204818597:

The code and the name of the program

- 202 Web Publishing Using Front Page
- 304 Statistical Analysis Using SPSS
- Endnot

- 60- The course of the local and international competitive research projects program during the period from 30/5/2015 to 1/6/2015 AD
- 61- The course of the Scientific Publishing Program during the period from 5/23/2015 to 5/25/2015 AD
- 62- The course of exam systems and student evaluation during the period from 11/8/2015 to 13/8/2015 AD
- 63- Effective communication skills course in the period from 6/12/2004 to 8/12/2004
- 64- The applicant attended a course on "selected topics in teaching" within the project to develop the capabilities of faculty members and leaders at South Valley University, from 14/5/2005 AD to 17/5/2005 AD.
- 65- The applicant attended the "Legal and Financial Aspects in Universities" course within the project for developing the capabilities of faculty members and leaders at Sohag University from 7/29/2008 AD to 7/31/2008 AD.
- 66- The applicant attended the "Competitive Research Projects" course within the project for developing the capabilities of faculty members and leaders at Sohag University, from 7/29/2008 AD to 7/31/2008 AD.
- 67- The applicant attended the "Scientific Research Ethics" course within the project for developing the capabilities of faculty members and leaders at Sohag University from 2/8/2008 AD to 4/8/2008 AD.
- 68- The applicant attended the "Research Team Management" course within the project for developing the capabilities of faculty members and leaders at Sohag University, from 5/8/2008 AD to 7/8/2008 AD.
- 69- A workshop on "Seismotectonics and Ancient Seismic Distributions of the Aswan Region and the Red Sea" under the auspices of the Egyptian Geological Survey, South Valley University, UNESCO, and the National Institute for Astronomical and Geophysical Research in Helwan, from 3 to 11 November 1995 AD.



- 70- A workshop on "Seismotectonics and Seismic Risk Analyzes for Countries Bordering the Mediterranean Sea" under the auspices of Prof. Dr. Mufid Shehab, Minister of Higher Education and State for Scientific Research on Monday 8/12/1997 AD and its duration from 8-10 December 1997 M.
- 71- A workshop on the uses of the Geocad program in geophysical and geological applications in the period from October 10 to October 15, 1998 AD, at the Institute of Geophysics, Faculty of Nature, University of Karlsruhe, Germany.
- 72- A workshop on "Libraries and Publishing Scientific Books" under the auspices of the Academic Library and the Mubarak Public Library in the period from 4/27/2004 to 5/4/2005
- 73- Workshop on "Environmental Pollution Risks of Petroleum Gases" in the Wahat Region, Libya, in March 2006
- 74- A workshop on "The Impact of Drilling on Marine Organisms" at the Faculty of Engineering, Garyounis University, from 5 to 8 May 2007
- 75- A workshop on "the dangers of addiction in the Arab countries", which was organized by Garyounis University on 4/5/2008 for two days.
- 76- A workshop on the "credit hour system" at the Faculty of Science in Sohag on August 13, 2004.
- 77- The course of the unified training program for the nomination for the position of dean of a college / institute at the Capacity Development Center during the period from 25 to 27 May 2012.

Membership of international scientific societies:

1. 2012: European Association of Geologists and Engineers (EAGE).
2. 2013: Society of Exploration Geophysics (SEG).
3. 2014: American Association of Petroleum Geologists (AAPG).
4. 2017: Geological Society of America (GSA).
5. 2019: society for mining, metallurgy, and exploration (SME)

Training courses and experience in the field of computers:

- June 1998, a course in the work of seismic modeling from the Institute of Geophysics, Faculty of Physics, University of Karlsruhe, Germany
- April 1999, a course in Seismic Data Processing from the Institute of Geophysics, Faculty of Physics, University of Karlsruhe, Germany.
- Obtaining the ICDL certificate



- From June 2001 until August 2005, he taught computers in the Graduate Youth Project affiliated to the Ministry of Communications and is located at South Valley University in Sohag. He taught the following programs:
- Introduction to the computer, Microsoft Windows, Advanced Microsoft Office, Visual Basic.net, Basic, Advanced Microsoft Access, HTML Language, and Photoshop
 - Creating a database to show the results of the exams of the Faculty of Science in Sohag on the Internet (2005)
 - Obtaining 9 educational courses in developing the capacities of faculty members.
 - Access to many ICTP courses (SPSS, Endnote, and FrontPage).

Teaching activities:

- First: The courses I teach:

- Teaching the following subjects over the course of 12 continuous semesters, according to the credit hour system, at the Faculty of Engineering, Garyounis University, Libya:
Environmental Geology - General Geology - Structural Geology - Practical Geology - Mineralogy and Rocks - Engineering Geology - Rock Mechanics - Seismic Survey - Geophysical Exploration - Practical Geophysics - Petroleum Geology - Applied Geophysics - Well Logs - Reservoir Rock Characteristics - Fluid Flow in Media Porosity - Reservoir rock and fluid properties laboratory - Computer programming - Computer applications in the field of petroleum
- He also taught the following computer subjects at teachers' colleges, sciences and economics in Libya from 2005 to 2008:
 - Database, Operating System, Introduction to Computer, Computer programming, Basic and visual basic languages, and Applied Statistics
- Assignment in many government departments in the province to conduct training courses in computer science.

Courses taught at the Department of Geology, Faculty of Science, Sohag University, at the undergraduate and postgraduate levels:

- Environmental Geology - General Geology - Groundwater Geology - Mineralogy and Rocks - Structural Geology - Engineering Geology - Rock Mechanics - Petroleum Geology - Applied Geophysics - Engineering Geophysics - Well Logs - Sedimentary Rocks - Remote Sensing - GIS



- In addition to teaching applied statistics at the Faculty of Industrial Education, Sohag University.

Second: Preparing books and notes:

A- Books and notes in Egypt:

- 1- The applicant participated in the preparation of a memorandum for the Geophysics course, which is taught to students of the third year in the Department of Geology at the Faculty of Science in Sohag.
- 2- He participated in the preparation of a memorandum for the course of Subsurface Geology, which is taught to students of the fourth year in the Department of Geology at the Faculty of Science in Sohag.
- 3- He participated in preparing a memorandum for the Field Geology course, which is taught to students of the second year in the Department of Geology at the Faculty of Science in Sohag.
- 4- He participated in preparing a memorandum for the Petroleum Geology course, which is taught to students of the fourth year in the Department of Geology at the Faculty of Science in Sohag.
- 5- He participated in preparing a memorandum for the General Geology course, which is taught to students of the second year of the Basic Education Division at the Faculty of Education in Sohag.
- 6- He participated in the preparation of the memorandum of the Crystallography course, which is taught to students of the first year of the Geology Division, Faculty of Science, and students of the first year of the Natural History Division, Faculty of Education in Sohag.
- 7- He participated in the preparation of a memorandum for the course of minerals and rocks, Petrology and Mineralogy, which is taught to students of the first year of the Geology Division of the Faculty of Science and students of the first year of the Natural History Division of the Faculty of Education in Sohag.
- 8- He participated in the preparation of a memorandum for the Rock Mechanics course, which is taught to students of the second year in the Department of Geology at the Faculty of Science in Sohag.
- 9- Participates in the preparation of notes prepared by the Department of Geology for students of the Faculties of Science, Education and Agriculture in Sohag in the various practical courses.

B- He wrote notes at the University of Garynis in Libya



1- He prepared the following notes while he was at the University of Garyonis at the Faculty of Engineering, Department of Petroleum Engineering:

- Environmental Geology, General Geology, Sedimentary Rocks, Structure Geology, Petroleum Geology, Fluid Flow in Porous Media, Reservoir Rock Properties, Seismic survey, Applied Geophysics, Well Logging, Computer Programming, Computer applications for Petroleum.

2- He prepared the following notes while he was at the University of Garyonis at the Faculty of Engineering, Department of Civil Engineering:

- Engineering Geology

3- He prepared the following notes at the University of Garyonis at the Faculty of Teachers, Computer Department:

- Data Analysis, Introduction to Computer Science, Database, Computer Programming, and operating System.

Third: The extent of interaction with students, the method of evaluating their performance, and the diversity of works based on the evaluation:

- I. During the semester, students are distributed to working groups, through which students complete some group exercises and write technical reports. The formation of such groups leads to an increase in the space of interaction with students and among students each other.
- II. Student performance is evaluated through the following activities:
 - Discussions during lectures and exercise solution
 - Open exercises and discussions
 - Student performance during the exercise session
 - Collective Activities (exercises, collective projects and writing technical reports)
 - Editorial periodic exams during the semester
 - Oral questions during the semester
 - End of the semester exam
- III. Participate in the exam works (question mode - model answer and distribution of grades - correction of the answer papers - announce the result on the specified date).
- IV. Participate in all oral tests for a bachelor's or graduate stage.
- V. Carry out the academic coordinator for the undergraduate stage and participate in coordinating graduate studies from 2012 to 2015.



- VI. Commitment to office hours and present to solve problems related to the decisions that I teach
- VII. Participate in the final examination committees for graduation projects for students of the fourth year in the department.
- VIII. Participation in the works of the control, either a member from 2001 to 2005 or a head of the control, such as the control of the first year of the Faculty of Science 2015/2016 and the head of the third year of the Faculty of Education in Industrial Education from 2015 until now and the head of the rehabilitation for the industrial secondary schools at the Faculty of Industrial Education from 2015 until now.

Fourth: The extent of contributing to the development of courses and teaching method:

- I. Providing all the courses that I teach in the electronic image as well as the paper for students.
- II. Communicate with students via e -mail and receive reports and research in an electronic image as well as paper.
- III. Developing and updating the scientific subject and academic content of the academic courses that I teach in the bachelor's and graduate studies.
- IV. Prepare the course file and complete the incomplete files of the curricula that I teach and necessary to provide the department to the accreditation and quality committees.
- V. v. Teaching method includes:
 - PowerPoint Presentations.
 - Scientific video display.
 - Discussions and group exercises.
 - Writing technical reports.
 - Applied projects.
 - Discussion of scientific research.

Fifth: The extent of participation in exam works, the accuracy of delivery dates and the evaluation of the department for the results of the exams:

- I. Participate in oral tests.
- II. Participate in exam works (question mode - typical answer mode and score distribution - correction of the answer sheets).
- III. Delivery of exams and results to the control according to the specified dates.
- IV. Participation in examination work and exam committees in the college from 2001 to 2005 and the period from 2012 to 2021.