

**Prof. Dr. Sharafeldin Mahmoud**, Uluslararası Eğitim Enstitüsü (IIE), Scholar Rescue Fund (SRF) ve Karadeniz Teknik Üniversitesi Jeofizik Mühendisliği Bölümü tarafından finanse edilen bir program sayesinde bölümümüzde araştırmalarına Mart 2017'de başlamıştır. Şubat 2019 tarihine kadar sürecek olan program süresince aşağıda listesi verilen birçok bilimsel yayın ortaya koymuştur. Kendisi Kahire Üniversitesi'ndeki öğrencilerinin danışmanlığını sürdürmektedir.

#### ***A- Bölümde Verdiği Seminerler***

- 1- Aeromagnetic Interpretation of the Gulf of Suez, A Regional Structural Setting & Oil Prospecting applications*** (Seminar delivered to the Student and Staff in Geophysical Engineering Department in (11/3/2017).
- 2- Giza Great Pyramids, Contribution of Near-Surface Geophysics to Ground Water hazards Mitigation.*** (Seminar delivered to the Student and Staff in Geophysical Engineering Department in (17/5/2017).
- 3- Old Nile Delta, new perspective of Groundwater resources, Multi-Disciplinary Exploration, Western Desert, Egypt*** (May, 2018).
- 4- Thesis Supervision (Cairo University):  
Supervised four M. Sc. Theses and two Ph. D. theses, awarded during 2017, 2018.***

#### ***B- 2017-2018 Yılları Arasında Yayımlanan Makaleleri***

- 1- K. G. Ghanem , S. M. Sharafeldin , A. A. Saleh, W. M. Mabrouk, 2017 “A Comparative Study of Near-Surface Velocity Model Building Derived by 3D Traveltime Tomography and Dispersion Curves Inversion Techniques” **Journal of Petroleum science and Engineering**. DOI: 10.1016/J.petrol.2017.04.023.***
- 2- Said Hanafy, Shastri L. Nimmagadda, **Sharaf Eldin Mahmoud**, Walid M Mabrouk “New insights on structure and stratigraphic interpretation for assessing the hydrocarbon potentiality of the offshore Nile Delta basin, Egypt. Journal of Petroleum Exploration and Production Technology, **June 2017, Volume 7, Issue 2**, pp 317–339. DOI 10.1007/s13202-016-0264-4***
- 3- Dahroug,A., S.M. Sharafeldin, Morsy , E., and Nada , H., Karsli, H., 2017, “Contribution of inverted seismic data in extracting attributes to characterize Pliocene aged channel located Off-shore Nile Delta, Egypt. Journal of Seismic Exploration (JSE), Vol. 27, No.1, p. 49-56 (2018)***
- 4- A. A. M. Dahroug, S. M. Sharafeldin, W. M. Mabrouk and M. H. Noaman, 2017, ‘Contribution of Integrating Seismic Coherency and AVO attributes in delineating Sand Bars Reservoirs, Offshore Nile Delta, Egypt, A Case Study. Egyptian Journal of Petroleum (EGYJP), vol. 28, 2018.***

- 5- S. M. Sharafeldin, T. Fechner, N. Sayıl, H. Karşlı, 2017 “Assessment of seismic crosshole tomography and testing surveys in site characterization of high-rise building along shore line”. Presented in 9th Congress of the Balkan Geophysical Society, Antalya, Turkey.
- 6- S. M. Sharafeldin, Khalid S. Essa, H. Karşlı, M. A.S. Youssef, Z. E. Diab, N. Sayıl “Geophysical investigation of ground water hazards in Giza Pyramids and Sphinx using electrical resistivity tomography and ground penetrating radar: A case study. Presented in 9th Congress of the Balkan Geophysical Society, Antalya, Turkey.
- 7- Khalid S. Essa, Sharafeldin M. Sharafeldin and Ahmed Hesham, 2017 "Magnetic and seismic Study for delineating the prospects at Ras Fanar, Gulf of Suez, Egypt". Transylvanian Review, Tr-2014-4-011118, Nov. 2017.
- 8- Said Hanafy, Khamis Farhood, **Sharaf Eldin Mahmoud**, Shastri Nimmagadda, Walid M. Mabrouk, 2018, “Geological and geophysical analyses of the different reasons for DHI failure case in the Nile Delta Pliocene section”. Journal of Petroleum Exploration and Production Technology, PP. 1-13, <https://doi.org/10.1007/s13202-018-0445-4>
- 9- **S. M. Sharafeldin**, K. S. Essa, M. A. S. Youssef, H. Karşlı, and Z. E. Diab, N. Sayıl, 2018 “Shallow Geophysical Techniques to Investigate the Groundwater Table at the Giza Pyramids Area, Giza, Egypt”. Geoscientific, Instrumentation, Method and Data System, <https://doi.org/10.5194/gi-2017-48>
- 10- **S. M. Sharafeldin**, W. M. Mabrouk, M. A. Wazery, 2018. Integration of core data and well logs for reservoir characterization, flow units evaluation and permeability determination in shaly sand reservoirs, onshore East Nile Delta. **Presented at 33 EGS Conference, April 2018, Cairo, Egypt.**
- 11- **S. M. Sharafeldin**, H. Karşlı, 2018, High Resolution Aeromagnetic (HRAM) basement imaging of off-shore Gulf of Suez prospect, Egypt. Extended abstract accepted for presentation in New Trend in Geophysics and Engineering 2018 **Conference (NTGE2018), Istanbul 07-09 November 2018.**
- 12- Shastri L Nimmagadda, Said Hanafy, **Sharaf Eldin Mahmoud**, 2018 “On Geoinformatics Ecosystem Framework for managing the Energy Resources in frontier Sedimentary Basins”. Accepted for presentation in **1<sup>st</sup> Conference of the Arabian Journal of Geosciences (CAJG), 12-15 November 2018, Tunisia.**

**C- Devam Eden Araştırmaları:**

- 1- Analysis and interpretation of High sensitivity Microgravity surveys (about 2500 points), and Electrical Resistivity Tomography for site characterization of a Sky Scrapper Buildings.
- 2- Integration of geophysical data to investigate the site of Saint Katherine Monaster Library in Saini, Egypt.