







7- Geomagnetism and Geoelectric Department

7-2 Geoelectric and Geothermic Laboratory

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* Scientific Publication (National & International)

- 1-Sultan Awad Sultan Araffa, Shokry A. Soliman, Ahmed El Khafif, Abdellatif Younis, T.F. Shazley, 2019: Environmental investigation using geophysical data at East Sadat City, Egypt, Egypt Journal of Petroleum 28, 117–125
- 2-Sultan Awad Sultan Araffa, Hassan Saleh Sabet & Mohammed Hussien Mahmoud, 2019: Tectonics mapping using geophysical data around Nuweiba area, Gulf of Aqaba, Sinai, Egypt, NRIAG JOURNAL OF ASTRONOMY AND GEOPHYSICS, VOL. 8, NO. 1, 73–83.
- 3-Mohamed A. M. E., El-Hussain I., Deif A., Araffa S. A. S., Mansour Kh. and Al-Rawas G., 2019: Integrated ground penetrating radar, electrical resistivity tomography and multichannel analysis of surface waves for detecting near-surface caverns at Duqm area, Sultanate of Oman, Near Surface Geophysics, doi: 10.1002/nsg.12054, Volume 17, Issue 4, Pages 379-401
- 4-Sultan A.S. Araffa, Mahmoud I. Mohamadin, Hassan Saleh Sabet & Mustafa S. Takey, 2019, Geophysical interpretation for groundwater exploration around Hurghada area, Egypt, NRIAG Journal of Astronomy and Geophysics, VOL. 8, NO. 1, 171–179.

* Reviews of Papers (National & International)

1. Ref.: Ms. No. AJGS-D-19-00224R1 Integration of seismic and potential field data analysis for deducing the source structures in Ras Amer Oil Field, Gulf of Suez, Egypt Arabian Journal of Geosciences, 2019
2. «SP, DC-Resistivity, DC-TDIP and TDEM soundings in high saline coastal aquifer, Journal of African Earth Sciences, 2019.
- 3-Ref.: Ms. No. AJGS-D-19-01041 An integration of magnetic, gravity and seismic data in evaluating the Algoa Basin in the Eastern Cape Province of South Africa for stratigraphic and structural geodynamics Arabian Journal of Geosciences, 2019.
4. ENGE-D-19-01223 Interpretation of gravity and magnetic data on the hot dry rocks (HDR) delineation in Gonghe town, China Environmental Earth Sciences, 2019.
- 5.Ref: APPGEO_2019_569 Title: Mapping sea water intrusion in coastal area using time-domain electromagnetic method with different loop dimensions Journal: Journal of Applied Geophysics, 2019.
6. -Ref: JAES-D-19-00142R2 Title: Deep Cavity Systems Detection in Al-Ain City, UAE, based on Gravity Surveys Inversion, Journal of Asian Earth Sciences, 2019.
7. ENGE-D-18-01855R1 Cooperative inversion of MT and seismic data on Shurab diapirs in Central Iran Environmental Earth Sciences, 2019.
- 8-TJAG-2019-0111 of title SEQUOIA RESERVOIR EVALUATION THROUGH CONVENTIONAL PETROPHYSICAL ANALYSIS IN EASTERN MEDITERRANEAN, NILE DELTA, for NRIAG Journal of Astronomy and Geophysics, 2019.

* Conferences, Scientific Missions & Workshops

-The 8th International Conference on Water Resources and Arid Environments (ICWRAE 8 with poster presentation for paper of title Tracing the groundwater aquifer employing geoelectric data analysis, north of Sokhna, Cairo road, Egypt, which held in in Ri

* Projects

- Co-PI for STDF project of ID no of title : Explration of economic minerals (Gold, Iron and Copper) using geophysical techniques in southeastern Desert, Egypt, Pilot areas, eastern part of Aswan and Wadi Al Allaqi.