



8- Geodynamic Department

8-1 Crustal Movements Laboratory

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* Scientific Publication (National& International)

Elbsheshy, and Abdelmonem, (2018), Crustal Deformation Modelling for the High Dam Area, as Deduced from the GPS and Levelling Data. Egyptian Journal of Applied Geophysics (ISSN 1687.1251), PP 85(18): 112-119.

* Reviews of Papers (National& International)

N/A

* Conferences , Scientific Missions & Workshops

1-The scientific committee (SC) of the 1st scientific Congress of Junior Geo-scientists in Egypt (SCJGE-1), Sohag university , February 3 -4, 2019.

2-The Fourth International Conference on New Horizons in Basic and Applied Science (ICNHBAS 2019) 26 - 29 July 2019 Hurghada, Egypt.

3-13th International Conference on Mining Petroleum and Metallurgical Engineering, Suez University 25 - 27 October 2019 (MPM 13).

4-Sustainable conservation of UNESCO and other heritages sites through proactive geosciences 10 -12 December 2019.

* Projects

1-Evaluation of the vertical and horizontal stability of the High Dam region and its relation to the bed rocks, Aswan (Member)

2-Potential of 3D laser point cloud data usage for the tourism industry at Saqqara archaeological sites (Member)

3-Monitoring of recent crustal movements at the northwest part of Nasser Lake Aswan, Egypt (Member)

4-Detection of ancient Egyptian archaeological remains using modern integrated geophysical investigations, and the application of 3D Laser scanner for Archaeological replica: Pyramid of Senusret II area, Lahun, Fayum, Egypt (Member)

5-Evaluation the stability of some petroleum tanks at El-Alameen area (Member)

* Consultancy

1-Mobile laser scanning of Salah Edin Citadel, Cairo.

2-Documentation for El-Kadi House using Trimble Terrestrial Laser Scanner.

3-3D documentation for Hawara pyramid using terrestrial laser scanner TX6, Mobile laser scanner Mx2 and GNSS techniques.

4-Detection caves at khufu pyramid by gravity method.

* Supervision of M.Sc. / Ph.D.

Prof/ Abdelmonem Sayed Mohamed

* Books

N/A

* Other

1-Field trip to the permanent GPS stations like Suez, Tanta, Port said, Marsa Alam, Matrouh,...etc to collecting and check the healthy of this station.

2-Field trip to Hawara pyramid, Fayoum, Egypt to make topographic survey by GPS technique and collecting data to create 3D model by using laser technology.