



8- Geodynamic Department

8-2 Gravity Laboratory

👤 Name: Khalid Hussein Zahran
👔 Position: Professor
✉ Email: zahran@nriag.sci.eg
☎ Phone: 01005607585



* Scientific Publication (National & International)

NA

* Reviews of Papers (National & International)

EMPIRICAL RELATIONSHIP BETWEEN GRAVIMETRIC AND MECHANICAL PROPERTIES OF BASEMENT ROCKS IN ADO-EKITI, SOUTHWESTERN NIGERIA, NRIAG Journal of Astronomy and Geophysics. Lithospheric Dynamics within the Central Portion of the Equatorial Atlantic African Region from Isostatic Residual Gravity Map and Profiles Journal: NRIAG Journal of Astronomy and Geophysics

* Conferences, Scientific Missions & Workshops

First meeting for young researchers, Sohag University, 4/02/2019; MANAGING NILE BASIN SURFACE AND GROUND WATER USING INTEGRATED SATELLITE OBSERVATIONS. BLUEMED, SEALINES Mediterranean Safety Network, CNR Italy, March, 2019; Recent Approaches for SEALINES Monitoring: Climate change adaptation and Socio-economic resilience. Case study: Nile Delta. EAGE ANNUAL CONFERENCE, LONDON, July, 2019; Microgravity observations to investigate installed crude oil tank instability INTERNATIONAL EARTH SCIENCE COLLOQUIUM AEGEAN REGION, IZMIR, OCTOBER 2019; Tectonic settings and neo-tectonics of the Aegean Sea as deduced from satellite altimeter and gravity data. Second conference of the Arabian Journal of Geosciences, Tunisia, 2019; Tectonic settings and neo-tectonics of the Arabian Peninsula as deduced from satellite altimeter and gravity data.

* Projects

Evaluation of the vertical and horizontal stability of the High Dam region and its relation to the bed rock region , Aswan. NATIONAL CHALLENGE STDF PROJECT, Co-P!

* Consultancy

Report of Microgravity observations at the Location of Tank 8, El Hamra Terminal , 2019, IACG-ENPPI, PI. Report of Microgravity observations at the Large area, El Hamra Terminal , 2019, DApolonia-ENPPI, PI. Microgravity observations in and out Cheops pyramid, 2019, Ministry of Antiquates. ACTIVE TECTONICS AND SEISMIC HAZARD ASSESSMENT FOR CENTRAL BUSINESS DISTRICT OF THE NEW CAPITAL , 2019, China State Construction Engineering, Egypt.

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

Mostafa Elwan, Local Geoid and the Thickness of the Lithosphere and its Role on the Evaluation of Geothermal Activities at the Western Desert, Egypt , Ph.D. Ain Shams University. Soha Reda, Deformation Pattern of Nile Delta – Mediterranean Conjunction Utilizing Satellite and Ground Based Data, Ph.D. Tanta University. Hesham Sabry, Evaluation the water storage capacity of El-Kharga ground water aquifer using using ground based and satellite spatial gravity observations, M.Sc. Assiut University

* Books

NA

* Other

Scientific Mission to the Center of Space Research(CSR) University of Texas, USA, April 2019.