



6- Seismology Department

6-1 Seismological Network Laboratory

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* Scientific Publication (National& International)

- 1- Soil Site Characterization of Rabigh city, Western Saudi Arabia Coastal Plain, using HVSR and HVSR inversion techniques, Abdalaziz Bankher, Abdullah Al-Amri, Kamal Abdelrahman, Mahmoud El-Hadidy, Hani Zahran, (Accepted in the Arab Journal of Geoscience)
- 2- Design Response Spectrum of some selected cities along the northwestern coast of Egypt. A. Badawy, H. Gaber and M. Elhadidy, *Egy. J. Appl. Geoh.*, vol. 18, No. 2, Sep. 2019.
- 3- Seismic hazard maps of Egypt based on spatially smoothed seismicity model and recent seismotectonic models, Mohamed S. Abdalzaher, Mahmoud El-Hadidy, Hanan Gaber, and Ahmed Badawy, (Accepted in the Journal of the African Earth Science).

* Reviews of Papers (National& International)

Earthquake Engineering and Engineering Vibration. Journal of King Saud University

* Conferences , Scientific Missions & Workshops

Award a certificate from the International Labor Organization as a certified trainer in the entrepreneurship, in the program ‘ Know About Business (KAB)’ Workshop: Role of seismology in developing blasting techniques required for cement industry 12 March, 2019. Workshop entitled” Applications of the integrated geophysical methods for engineering purposes” Nov. 21 2019, Aswan.

* Projects

Monitoring the effects of quarry blasts in Egypt, NRIAG. Geotechnical map of western Saudi Arabia, SGS, Saudi Arabia.

* Consultancy

Performed and participated in many consultations

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

- 1- PhD thesis, Mr. Ahmed Mohamed Faried, Assistant researcher, NRIAG. Ain Shams University “Detailed Crustal structure of Sinai Peninsula, Egypt”
- 2- Ms.c thesis, Mr. Ahmed Abdel Mola, Geophysicist, Nuclear Power Planet Authority , Ain Shams University. “Tsunami Hazard assessment in the North Western part of Egypt”
- 3- Ph D thesis, Mr. Hazem Badr Eldin Assistant researcher, NRIAG. Ain Shams University “Multi-approach seismic hazard analysis in Egypt”

* Books

NA

* Other

- 1- Member in the organizing committee of the Arab Conference of Astronomy and Geophysics, 7th assembly, up to May 2019.
- 2- Organizer in the workshop entitled “The Role of the National Research Institute of Astronomy and Geophysics in Cement Industry – Mining studies between monitoring and development”, 16 January 2019, NRIAG, Egypt.
- 3- Member of the Organizing Committee of 13th General Assembly of the Asian Seismological Commission.
- 4- Organizer of the workshop entitled” Applications of the integrated geophysical methods for engineering purposes” Nov. 21 2019, Aswan.