



6- Seismology Department

6-1 Seismological Network Laboratory

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* Scientific Publication (National& International)

1. Ali, S.M. and Badreldin, H., 2019. Present-day stress field in Egypt based on a comprehensive and updated earthquake focal mechanisms catalog. *Pure and Applied Geophysics*, pp.1-32. 2. Badreldin, H., Abd el-aal, A. K., Toni, M., El-Faragawy, K., Moment tensor inversion of small-to-moderate size local earthquakes in Egypt, *Journal of African Earth Sciences* (2019), doi: <https://doi.org/10.1016/j.jafrearsci.2018.12.004>.

* Reviews of Papers (National& International)

NA

* Conferences , Scientific Missions & Workshops

a. Present-day stress field in Egypt based on a comprehensive and updated earthquake focal mechanisms catalog, (oral presentation) First Scientific Congress of Junior Geoscientists in Egypt (SCJGE-1) Geology Department, Faculty of Science, Sohag University In Collaboration with The Egyptian Society For Geosciences and Development & The Arabian Geosciences Union (ArabGU), 3 - 4 February 2019 Egypt. b. Specialisation certificate in the assessment and management of geological and climate related risk (CERG-C) diploma in geological risk, Uni. Of Geneva, Swaziland (April 2019 – June 2019) c. 13th Annual AfricaArray Workshop, University of the Witwatersrand, Johannesburg, South Africa (06-13 July 2019). d. The Global Platform for Disaster Risk Reduction (GP2019) , Geneva, Switzerland from 13 to 17 May, 2019

* Projects

A- Member in Dabaa's nuclear power plant Project (operating local seismic network around the nuclear power plant and monitoring the seismic activity to assess the seismic hazard and mitigate the risk around the nuclear power plant) From 2013 until now.

B- Member in the Egyptian database centre project (preparing of the Egyptian annual seismic bulletin). C- Member in seismic hazard assessment for North Africa from Oct. 2018 until now .

* Consultancy

NA

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

NA

* Books

NA

* Other

Prize : Best oral presentation in geophysics and petroleum session in First Scientific Congress of Junior Geoscientists in Egypt (SCJGE-1) Geology Department, Faculty of Science, Sohag University In Collaboration with The Egyptian Society For Geosciences and Development & The Arabian Geosciences Union (ArabGU), 3 - 4 February 2019 Egypt.