



# Aswan Seismological Center

**👤** Name: Hamada Saadalla Mahmoud  
**👔** Position: Researcher Assistant (PhD. Student)  
**✉** Email: hamada\_geologist2010@nriag .sci.eg  
**📞** Phone: 01120907055



## \* Scientific Publication (National& International)

- 1.Saadalla, H, Abd el-aal, A.K., Abdelnasser Mohamed, & K. El-Faragawy., (2019). Determination of earthquake source parameters using the inversion of waveform data: A case of small earthquakes around High Dam Lake, Aswan region, Egypt. Journal of African Earth Sciences 151: 403-416.
- 2.Saadalla.H, Abd el-aal, A.K., Abdelnasser Mohamed, & K. El-Faragawy., (2019). Characteristics of earthquakes recorded around the High Dam Lake with comparison to natural earthquakes using waveform inversion and source spectra. Under review (Pure and Applied Geophysics Journal).

## \* Reviews of Papers (National& International)

NA

## \* Conferences , Scientific Missions & Workshops

- 1.The Fourth International Conference on New Horizons in Basic and Applied Sciences. ICNHBAS 26-29 July 2019, Hurghada, Egypt.
- 2.participated in the Aswan center workshop about The role of the Center in serving and developing the community 2019.

## \* Projects

- 1.Participated in monitoring, analyzing and making weekly, monthly and annually earthquakes reports around High Dam and old Dam during 2019.
- 2.Participated in monitoring, analyzing and making explosions reports for Aswan Cement industry project.
- 3.Participated in Geotechnical studies for Spillway Bridge, Aswan.

## \* Consultancy

- Performed and participated in many consultations such as (Cement industry in Aswan, El-Nasr Egyptian company for mining, Edfu, Aswan, and High and Old Dams authority)

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

NA

## \* Books

NA

## \* Other

- Participated in processing of seismic, strong motion and piezometers data
- Participated in maintenance of piezometer, Strong motion and seismic networks.
- Enrolled as PhD student at Aswan University from 25/3/2018 till now.
- Involved in the selection and operation of the new seismic stations at the northern side of Aswan High Dam in Aswan region.
- Participated in the scientific and educational visits for Aswan Earthquake Research Center for the students from the Egyptian, Arabian and African universities during 2019.
- Involved in the inspection Committee for the renewed Red Sea seismic stations.
- Making Posters, maps for Aswan earthquake research center
- Involvement in most tenders for buying the equipment required for Aswan earthquakes research center.