

Ramadan Abouelmagd Abdelrehim

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Currently

PhD candidate in CMSS program, College of science and engineering, Department of Physical and Environmental Sciences.

Former Assistant Researcher

Desert Research Center, Geophysical exploration department, Water Resources and Desert Soils Division. The main responsibilities of geophysical exploration department members are to carry out fieldwork in the Egyptian desert land for groundwater exploration and understanding the subsurface conditions and environmental evaluation for the development of these lands.

WORK EXPERIENCE

Desert Research Center

July 2020 - 2021

Assistant Researcher

Geophysical exploration department, Water Resources and Desert Soils Division.

Field work	Office work
Carrying out Geoelectrical measurements including Vertical Electrical Sounding and Imaging tomography.	Qualitative and quantitative interpretation of Geoelectrical measurements including Vertical Electrical Sounding and Geoelectrical Tomography.
Carrying out ground magnetic survey.	Identification of the parameters of the water bearing layers.
Carrying out Electromagnetic Survey.	Qualitative and quantitative interpretation of Electromagnetic measurements.
Carrying out Shallow Seismic Refraction survey.	Good experience in a variety of computer software dealing with the mapping and interpretation of different geophysical and geological data.
	Good experience with Remote sensing and GIS techniques.
	Good experience with Synthetic aperture radar interferometry.
	Preparing reports.

Desert Research Center

October 2014 - July 2020

Researcher Assistant

Geophysical exploration department, Water Resources and Desert Soils Division.

The same work responsibilities and experience mentioned above.

EDUCATION

Bachelor of Science in Geophysics – *Faculty of Science, Sohag University 2013.*

Visitor researcher for one year (2019)- *Center for Environmental remote sensing- Chiba University- Japan.*

Master of Science in Geophysics– *Faculty of Science, Ain Shams University 2020.*

PROFESSIONAL SKILLS

- Mastery of Microsoft Office programs (Word, Excel, PowerPoint)
- Excellent communication skills with a focus on team-building.
- Outstanding ability to work with different technical equipment and software.
- Outstanding organizational, multitasking, and problem-solving abilities.

PROFESSIONAL MEMBERSHIPS

- Member of Egyptian geophysical society 2016- present.
- Member of Japan Geoscience Union 2019- present.

Publications

- Contributions of Geophysical and Geographic Information System Techniques to Choose the Optimum Locations for the Solar Energy Project, West El-Minia, Egypt. *Arabian Journal of Geosciences*, Under review.
- Groundwater Exploration in Fractured Rock Using Transient Electromagnetic Technique (TEM), West El-Minia, Egypt. *Egyptian Geophysical Society Journal* Vol. 18, No. 1, 145-154 (2020).
- Environmental Impact Evaluation of Solar Park Project in Western Desert, Minia, Egypt. *Japan Geoscience Union Meeting* 2019.
- Groundwater exploration South Km.15 Bani Mazar- El Bweti Road, Using Geoelectrical Exploration Methods. *Egyptian Journal of applied Geophysics* vol. 16, No. 2, 149-164 (2017).

LANGUAGE COMPETENCIES

- Arabic: Native language
- English: very good (speaking, reading, writing) (IELTS band 7 (C1))