

Curriculum Vitae

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Education

- February 2016 - July 2017 **Master of Geology**, Faculty of Science, Assiut University, Egypt.
- September 2009 - June 2013 **Bachelor of Geology (Geophysics)**, Faculty of Science, Assiut University, Egypt, Credit Hours' System. **GPA:** 3.53 / 4 **Department Rank:** 1st
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Positions

- January 2020 - Present **PhD Student** at Department of Earth Sciences, Khalifa University, UAE.
- October 2017 - Present **Assistant lecturer** at Department of Geology, Faculty of Science, Assiut University, Egypt.
- December 2014 - September 2017 **Demonstrator** at Department of Geology, Faculty of Science, Assiut University, Egypt.
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Projects

- March 2015 Contributed in a project included acquisition and interpretation of 2D resistivity surveying in Wadi Dip.
- January 2015- Present Contributed in about fifteen groundwater exploration projects, including vertical electrical sounding surveys and pumping tests in different areas (i.e. Assiut, Sohag, Wadi Qena, Dabaa, Ras Gharib, Marsa Alam).
- January 2015 Assisted in collecting a master hydrogeology dataset including resistivity vertical electrical sounding (VES), ditch samples and water levels.
- June 2013 Studying the upper part of the subsurface geologic section in Wadi El-Nakheil, Eastern Desert, Egypt (using shallow seismic refraction method).
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Training

- November 2019 Presented an oral presentation entitled "3D geological modeling of clayey reservoirs; an example of the Upper Bahariya Member, Abu Gharadig Field, Egypt" at the 10th International Conference on the Geology of Africa (ICGA), held at the Faculty of Science, Assiut University, Egypt.
- August 2019 GIS trainer for undergraduate and graduate students at the Faculty of Agriculture, Assiut University.
- May & August 2018 Attended training courses in Faculty and Leadership Development Center (FLDC) of Assiut University about:
- Applications of information technology in teaching.
- E-learning (advanced).
- October 2016 & February 2017 Trainer for Children's University at Assiut University of Egypt; this project introduced school children to scientific and critical thinking, creativity,

- questioning and problem solving through some activities, discussions and experiments.
- October 2016 Presented an oral presentation entitled “Structural style of Abu Roash "G" Member in Abu Gharadig oil and gas field, north Western Desert, Egypt, as inferred from seismic data interpretation” at the 5th International Conference for Young Scientists in Basic and Applied Sciences, held at the Faculty of Science, Assiut University, Egypt.
- January 2016 Attended a workshop about 3D Geological Modeling and open source GIS.
- January 2016 Attended training courses in Faculty and Leadership Development Center (FLDC) of Assiut University about:
- Research ethics.
 - Management of the research team.
 - Communication skills.
- January 2015 Attended training courses in Faculty and Leadership Development Center of Assiut University about:
- Strategic planning.
 - How to compete for a research fund.
 - Management of time and conferences.
- February 2013 Trainee, Employability and Career Development Center (ECDC), Assiut University, 9-day training program funded by the USAID and conducted by Aspire Experiential Business Solution.
- Conducted a full self-assessment process for skills, interests, values and personal preferences.
 - Gained exposure through experiential activities to major aspects of leadership, teamwork, and communication skills.
 - Attended a career development module.
- July 2012 Trainee, Egyptian General Petroleum Company (EGPC), a 6-day training including petroleum geology, drilling and well logging lectures in addition to field work which included working-over a productive oil well.
- October 2010 Attended the conference of “Planet Earth: Earth Sciences and Development of Civilization in Major River Basins” held in Luxor, Egypt.

Computer Skills & Software

<i>Reservoir/petroleum system modeling</i>	Petrel, Petromod
<i>Petrophysical evaluation</i>	Interactive Petrophysics, PDPlot
<i>Geophysical processing & interpretation</i>	Geosoft Oasis Montaj, Godograf, SeisImager, Res2DInv, Res3DInv, IPI2WIN
<i>GIS</i>	ArcGIS, Quantum GIS, 3D Analyst, Geostatistical Analyst, Spatial Analyst
<i>Database Management</i>	Geodatabase
<i>Gridding & Mapping</i>	Global Mapper and Surfer software

Drawing	CorelDraw
Word & Sheet processing	Microsoft office and TextPad

Languages Arabic: Mother tongue
English: Fluent, written and spoken (**IELTS; overall band score of 6.5**)
German: Basic
French: Basic

Publications • **First and corresponding author**

Abdelmaksoud, A., Radwan, A., Islam, M.A., 2020. An integrated approach for submarine fans/low resistivity reservoirs characterization; an example from Mount Messenger Formation, Taranaki Basin, New Zealand. *Journal of Petroleum Science and Engineering (Under revision, March 2020)*.

Abdelmaksoud, A., El-Haddad, A., 2019. 2D inversion of refraction travel-time curves using homogeneous functions: A case study from Wadi El-Nakheil, Eastern Desert, Egypt. *Arabian Journal of Geosciences*, 12(6), 214. <https://doi.org/10.1007/s12517-019-4385-1>

Abdelmaksoud, A., Ewida, H., El-Habaak, G., Amin, A., 2019. 3D structural modeling of the Upper Bahariya Member in Abu Gharadig oil and gas field, North Western Desert, Egypt. *Journal of African Earth Sciences*, 150(C), 685-700. <https://doi.org/10.1016/j.jafrearsci.2018.09.022>

Abdelmaksoud, A., Amin, A., El-Habaak, G., Ewida, H., 2019. Facies and petrophysical modeling of the Upper Bahariya Member in Abu Gharadig oil and gas field, North Western Desert, Egypt. *Journal of African Earth Sciences*, 149, 503-516. <https://doi.org/10.1016/j.jafrearsci.2018.09.011>

Abdelmaksoud, A., 2017. Integrated geological modeling of the Upper Bahariya reservoir in Abu Gharadig oil and gas field, North Western Desert, Egypt. *M.Sc. thesis, Department of Geology, Assiut University, Egypt*, 123p.

Abdelmaksoud, A., Ewida, H., El-Habaak, G., Amin, A., 2017. Seismic interpretation of Abu Roash "G" Member, in Abu Gharadig oil and gas field, north Western Desert, Egypt. *Journal of Basic and Environmental Sciences*, 4(2), 107-117.

• **Corresponding author**

Elhossainy, M., **Abdelmaksoud, A.**, Ali, M., Alrefae, H., 2020. The Cenomanian clastic reservoirs in Abu Gharadig Basin, Western Desert, Egypt: Integrated sedimentological and petrophysical characterization. *Sedimentary Geology (submitted)*.

• **Other**

Khan, M., **Abdelmaksoud, A.**, 2020. Unfolding Impacts of Freaky Tectonics on Sedimentary Sequences along Passive Margins: Pioneer Findings from Western Indian Continental Margin (Offshore Indus Basin). *Marine and Petroleum Geology*. <https://doi.org/10.1016/j.marpetgeo.2020.104499>

Ali, M., Abdelhady, A., **Abdelmaksoud, A.**, Darwish, M., Essa, M., 2020. 3D static modeling and petrographic aspects of the Albian/Cenomanian reservoir, Komombo Basin, Upper Egypt. *Natural Resources Research*, 29, 1259–1281. <https://doi.org/10.1007/s11053-019-09521-5>

Radwan, A., Nabawy, B., **Abdelmaksoud, A.**, 2020. Integrated Sedimentological and Petrophysical Characterization of the Middle to Late Miocene Clastic Reservoirs of the Onshore Fan Units, New Zealand. *Journal of Natural Gas Science and Engineering*, (Under Review).

Ali, M., **Abdelmaksoud, A.**, Essa, M. Abdelhady, A., Darwish, M., 2019. 3D structural, facies and petrophysical modeling of C Member of Six Hills Formation, Komombo Basin, Upper Egypt. *Natural Resources Research*, <https://doi.org/10.1007/s11053-019-09583-5>.

**Research
Interests**

3D Geological Modeling, Exploration Geophysics, Applied Geophysics, Tectonics, Basin Analysis, Structural Geology, Passive Margins, Reservoir Characterization, Petroleum Geology, Hydrocarbon Exploration, Seismic Interpretation, CO₂ Storage, Gas Hydrates, Subsurface Geological Mapping.
