

Curriculum Vitae



Personal Data

- **Name:** Mohammed Sayed Mabrouk
- **Address:** 15 Saber Osman St, Tabiq El Diab, Bolak El Dakrour
- **Military state:** terminate
- **Social state:** married
- **Date of birth:** December- 20-1979
- **Telephone:** (home) 33274842 – (mobile) 0108264212
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Academic career

- 2002, Demonstrator, Geology Department, Faculty of Science, Cairo University With interest of Mineralogy and Applied Geology
- 2009, lecturer-Assistant, Geology Department, Faculty of Science, Cairo University With interest of Mineralogy and Applied Geology
- 2014, lecturer, Geology Department, Faculty of Science, Cairo University With interest of Geochemistry, Mineralogy and Applied Geology

Qualifications

- 2002, Bachelor of Science in Geology and Chemistry, Grade: Very good with Honor, Cairo University, Egypt
- 2009, Master of Science in Geochemistry and Mineralogy, Department of Geology , Faculty of Science , Cairo University
- 2014, Philosophy of Doctor of science, mineralogy and petrology, Geology Department, Faculty of Science, Cairo University

Honors and Awards

- Award Certificate from the Eight Conference of Geology of the Arab World (GAW 8)
- Award of Training Course in the National Research Center (NCR) on the treatment of waste water from the heavy metals
- Student member in American Association of Petroleum Geologists (AAPG)

Research and laboratory Experience

- Separation of clay minerals and preparation for X-ray Diffraction Analysis
- Interpretation of X-ray Diffraction Patterns
- Achievement of some engineering measurements

Teaching Interests and Experience

- Teaching some practical courses: Crystallography, Igneous Petrology, Metamorphic Petrology, Petrography, Geochemistry, Economic Geology, Ore Geology, Nubian shield rocks of Egypt, Optical Microscope and minerals under microscope, minerals and rocks in hand specimen
- Teaching of some practical courses of special program of petroleum Geosciences

Instrumentation Experience

- Sedimentological techniques (sieve analysis, peppit methods)
- Chemical analysis by titration

Work Experience

- Work with microscope for optical characters of minerals, identification of minerals under microscope, description of slides thin section of Igneous, sedimentary and metamorphic rocks
- Separation of unconsolidated sediments by dry and wet sieve and separation of fine sediments (clay fraction and silt fraction)
- Interpretation of X-ray diffraction patterns
- Interpretation of geochemical analyses for major and trace elements including rare earths elements
- Interpretation of differential thermal analyses patterns with thermogravimetric analyses patterns
- Working with geological software like: Minpet for handling of geochemical data, Envi and Mr Said for landsat image processing
- working with GIS programs ; Arcgis 10.1
- working with statistical software ; SPSS, Minitab
- working with some graphic software ; Photoshop, Illustrator

Membership in scientific societies

- Student member of AAPG from 2003 till 2010

Personal interests

- Reading in different fields; religions, history, science, legends and novels
- Practicing some plays ; fighting games

Travels

- Participating in some undergraduate field trips to eastern desert in the area between Quseir and Qift, and another one to West Central Sinai
- Organization of field trips for Master thesis work to the area of Dakhla – Kharga landstretch in the New Valley Governorate in Upper Egypt
- Organizing field trip for PhD thesis work to the area of Nile delta branches (Rosetta and Damietta).

Publications

- El Maghraby. A M., El Kammar. A M., and Mabrouk. M S (2011) :
Potentiality of clays in the Kharga-Dakhla land stretch as a natural landfill
liner in a hyper-arid region. AAPG. Environmental Geosciences, v. 18, no. 2
.pp. 101–118