

Holds B. Sc. in Geology – Chemistry, Geographic Information System (GIS) Specialist Post Graduate Diploma and M. Sc. in Mineralogy – Petrology & Remote Sensing. Has over 12 years hands-on experience working as Geologist with excellent GIS, Remote sensing and research skills.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 27/02/1982
Gender : Male
Marital Status : Single
Residence : Cairo

EDUCATION

: B. Sc. in Geology – Chemistry, Ain Shams University, 2003
: Geographic Information System (GIS) Specialist, Post Graduate Diploma, Organized by Ministry of Communications, IBM and ESRI, 2005
: M. Sc. in Mineralogy – Petrology & Remote Sensing, Cairo University, 2013
: Ph.D. (Registered) (Mineralogy – Petrology & Remote Sensing), Cairo University, 2014

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Advanced Course on Radar Polarimetry, held at NARSS, Cairo and Course Instructor "Dr. Francois Charbonneau" Canada Centre for Remote Sensing, Natural Resources Canada (Dec. 2014).

CHRONOLOGICAL EXPERIENCE RECORD

Employer : CONTEST LAB. for Q.C
Project : AL ALAMIN WATER DESALINATION PLANT
Job title : Quality Engineer
Job Description : Conduct the soil, concrete and asphalt tests in the laboratory and field.

Dates : From Oct. 2014 till Apr. 2015
Employer : Egyptian Academy for Remote Sensing and Space Sciences
Job title : Remote Sensing Team Leader

Dates : From Sep. 2013 till Sep. 2014
Employer : National Authority for Remote Sensing and Space Sciences (NARSS), Cairo
Projects :

- Quantitative analysis of hyperspectral remote sensing for characterization of the water properties of the Nile River
- Detecting sand dunes movements in North Sinai using Radarsat-2 scenes

Job title : Geologist Specialist

Dates : From Sep. 2011 till Sep. 2012
Employer : ASCOM Precious Metals Mining
Projects :

- Sudan Project (Gedaref Gold Concessions Cathay and Arkadia)
- Ethiopia Project (Asosa Gold Concession, Dish Mountain)

Job title : Computing and Exploration Geologist
Job Description :

- Using ASTER scene to defining target areas for soil sampling.
- Geological mapping for Gedaref State.
- Training the team on MapInfo 12.
- Defining Soil and Auger Samples grid Cathay Concession.
- Cathay and Arkadia basemap.
- Trench logging.

Dates : From Mar. 2007 till Jul. 2011
Employer : Labinat Consulting Engineering, KSA
Job title : Geologist "Consulting Material Inspector" in Road Construction
Job Description : Ensure contractors follow the road and bridge specifications applicable in KSA by:

- Conduct the soil, concrete and asphalt tests in the laboratory and field.
- Conduct engineering and surveying measurements in the field.

Dates : From May 2005 till May 2006
Employer : Centamin Egypt Limited
Project : Pharaoh Gold Mines
Job title : Computing and Exploration Geologist
Job Description :

- Computing Geologist "GIS Specialist" (Map production - Cross Sections - Digitizing - Exploration studies using MapInfo, Arc Gis, Erdase Imagine and Micromine softwares).
- Exploration Geologist:
 - Core Logging:
 - Diamond Drilling (Recovery, Geomechanics and Geologic descriptions).
 - RC Drilling (Geologic descriptions, managing the Rig).
 - Survey, using Total Station, Digital GPS and Navigator GPS.
 - Sampling and Tracks making.
 - Marking of drilling sites, with Compass and Tape and DGPS.

Publications:

- "Application of remote sensing for gold exploration in the Fawakhir area, Central Eastern Desert of Egypt". Islam Abou El-Magd, Hassan Mohy & Fawzy Basta. The Arabian Journal of Geosciences (2015), DOI: 10.1007/s12517-014-1429-4.
- "Newly Improved Band Ratio of Aster data for Geological Mapping of the Fawakhir area, Central Eastern Desert, Egypt". Hassan Mohy, Islam Abou El-Magd & Fawzy Basta. Journal of the Indian Society of Remote Sensing (2016), DOI: 10.1007/s12524-015-0539-0.
- "Application of remote sensing for gold exploration in Egypt" (Book) Hassan Mohy, Fawzy Basta & Islam Abou El-Magd. LAMBERT Academic Publishing (2016), ISBN: 978-3-659-88142-8.
- "Using Landsat 8 and ASTER Data for lithological Discrimination and Mapping in Wadi Hamad area, North Eastern Desert, Egypt". Hassan Mohy, Fawzy Basta, Shaban Ghanem Saber & Atef Fawzi. Journal of American Science (2017), DOI: 10.7537/marsjas130717.01.
- "Lithological Discrimination and Mapping using SAR data (SENTINEL-1) and ETM+ data of Wadi Hamad area, North Eastern Desert, Egypt". Hassan Mohy, Bottros R. Bakhit & Atef Fawzi. The Tethys Geological Society (2017) (Accepted).
- "Characterize the surface sediments in Nekhel area, Sinai Peninsula, Egypt using full-polarimetric SAR data (RADARSAT-2), ASTER and Landsat 8 data". Hassan Mohy, Islam Abou El-Magd, Fawzy Basta & Mohamed Shokr. Journal of African Earth Sciences (Under review).
- "Utilization of full-polarimetric SAR data (RADARSAT-2), ASTER and Landsat 8 data in geologic mapping of West Jabal Ilbah, Halaib, South Eastern Desert, Egypt". Hassan Mohy, Islam Abou El-Magd, Fawzy Basta & Mohamed Shokr. International Journal of Advanced Remote Sensing and GIS (Under review).