CURRICULUM VITAE

Name: Dr. MAHMOUD AHMED MOHAMED GALMED

(Associate Prof. Geology and Geophysics Dept., College of Science, King Saud University)

Education:

- **B.Sc.**, Cairo University, 1979 **(Geology).**
- **Post-Grad. Diploma**, International Institute for Aerial survey and Earth sciences (ITC), Delft, Netherlands, 1984, **Mineral (Geochemical) exploration Diploma.**
- **M.Sc.**, Cairo University, 1987 **(Geology).**
- **Ph.D.,** Cairo University, 1996 **(Mineralogy and Petrology).** (Scientific channel of two years in Austeria, Vienna University).

Research Activity:

Geochemical Exploration of Syngenetic Pb-Zn Deposits, Northeast Belgium (Project, Netherlands, 1983-1984).

Sedimentological Studies on the Duwi (Phosphate) Formation between Quseir and Safaga landstretch, Red Sea Coast, Eastern Desert, Egypt (M.Sc. Thesis, Cairo University, 1986).

Mineralogy and geochemistry of different coal samples from different area all over the world (Project with group from Atom Institute, Austria, 1991-1992).

Petrochemical studies on some Paleozoic sections from south western Sinai, Egypt (Ph.D. Thesis, Cairo University, 1996).

Geology of the Tufa deposits in Wadi Atalla, Eastern Desert, Egypt. (Abstract) Geology of Arab World (GAW), Fourth Inter. Conf. Cairo, 21-25 Feb. 1998.

Genesis and Geochemical Characteristics of Celestite Mineralization in Essel Area, Red sea Coast, Egypt. 4th Intern. Conf. on Geochemistry, Alex. Univ., Egypt, 15-16 Sept., 1999, Pages 141-157.

Ceramic heavy clay products using Tushka clay deposits. The 15th Egypt. Chem. Conference 20-25 Nov. 1999, Pages 105-116.

Paleotopographic controls on recent closed evaporitic basin products. Egyptian Journal of Geology, v. 43/2, 1999, pp. 135-149.

Stratigrapgy and Microfacies of the Oligocene Sequence at Gabal Bu Husah, Marada Oasis, South Sirte Basin, Libya. Facies, v. 42, pp. 93-106, Erlangen2000.
http://www.springerlink.com/content/110833/?k=galmed

Unusual Rare Earth's patterns of radioactive Paleozoic sediments, southeastern Sinai, Egypt. Egyptian Mineralogist, v.12, pp. 51-64, (2000).

Origin and significance of gypolite in saline pond. 5th Intern. Conf. on Geochemistry, Alex. Univ., Egypt, 12-13 Sept., 2001.

Mode of formation and diagensis of the Upper Cretaceous Ironstones of Taref Formation, Gabal Duwi, Red Sea Region, Egypt. Egyptian Journal of Geology, v.46/1, 2002, pp. 329-360.

Origin and characteristics of Eocene celestite mineralization and associating diagenetic processes, Gabal Mokattam, East Cairo, Egypt. Egyptian Journal of Geology, v. 46/2, 2002, pp. 703-722.

Enviromental hazards of a non-organized "SAYHA" Solar Saltworks at El-Ratma, Egypt: A Sedimentological and Geochemical Approach, Proceedings Of the 1st International Conference On The Ecological Importance Of Solar Saltworks (CEISSA-2006).

Taphonomy and Diagenesis of the Late Campanian Ammonite *Libycoceras ismaeli* (Zittel) From Northern Jordan. The Geological Society of Egypt, the 44th Annual Scientific Conference, 19 – 20 November 2006 (abstract).

Origin of the chert and chertified phosphate nodules in carbonate rocks of the Eocene Thebes Formation, Gebel Atshan, Red Sea Coast, Egypt. 9th International Conference on the Geology of the Arab World (GAW 9), 24-27th March 2008, Cairo, Egypt (Abstract).

Petrographical and mineralogical investigations of Early Paleogene Hazm Al-Jalamid phosphorite deposits, Northwest Saudi Arabia. 9th Meeting of the Saudi Society of Geosciences which will be held from 26 – 28 April, 2011 on the Campus of King Saud University - Riyadh.

Galmed, M.A., Aly, M.F., Smadi, A. and Abu Azzam, G.H. (2013)Taphonomic and diagenetic aspects of the Late Cretaceous *Libycoceras ismaeli* (Zittel) from Northern Jordan, Arabian Journal of Geosciences, February 2013, Volume 6, Issue 2, pp 573-583.

Al-Mutairi, A.N, Galmed, M.A. and Aldamegh, Kh.S. (2014) Petrogenesis of the Az Zabirah south zone bauxite ore deposits, central northern Saudi Arabia, Arabian Journal of Geosciences, April 2014 (on line).

Khater, A.E.M., Galmed, M.A., Nasr, M.M. and El-Taher, A. (2016) Uranium and Rare Earth Elements in Hazm El-Jalamid Phosphate, Saudi Arabia: Concentrations and Geochemical Pattern. Environ Earth Sci, 75:1261.

Yahyaa, M.M.A., Hakimi, M.H., Galmed, M.A., El-Sabroutya, M.N. and Ibrahimd, Y.Kh. (2016) Paleoenvironmental and Paleoclimatic Conditions evolution during Cretaceous and its influence on Claystones mineralization, Zabirah Area, Northern Saudi Arabia: Implication from Palynology and Multiple Geochemical Proxies. Arabian Journal of Geosciences, AJGS-S-16-00052 (under review)

Teaching Activity (Cairo University):

Sedimentary rocks and sedimentation, Sedimentary structures, Petrography, Field geology and Survey, Sedimentary environment and Facies, Stratigraphy, Physical Geology, Historical geology, Photogeology, Crystallography and mineralogy, Economic ore deposits, Optical mineralogy and Geochemistry.

Teaching Activity (King Saud University):

Mineralogy (Geo 221), Crystallography and Minerals (Geo 223), Igneous and Metamorphic Rocks (Geo 325), Petrology (Geo320), Economic geology (Geo 453), Principal of Geochemistry (Geo 361), Advanced Sedimentary Rocks (Geo 533), Recent Sediments (Geo 536), Advanced Geochemistry (Geo 563), Mineral Geochemistry (Geo 566), Advanced Geochemistry (Geo 561), Advanced Paleoecology (548).

M.Sc. Supervision (Cairo University):

1- Nature and causes of soil salinization in some areas at El-Fayoum Depression-Egypt. (Awarded 2003).

2- Optimization ranges for raw materials for cement manufacture-Suez Cement Co. (Suez), Mineralogical, geochemical and sedimentological studies. (2001).

3- Geological characterizations of some carbonate rocks and their using in building purposes, East Tura Environs, Qattamiya, Egypt. (2005).

M.Sc. Supervision (King Saud University):

1. Geology of phosphate deposits at Hazm Al Jalamid area, northwestern Saudi Arabia (2010).
2. petrography, mineralogy and diagenesis of carbonate rocks of middle jurassic dhruma formation in southwest of riyadh, SAUDI Arabia (2010).
3. Mineralogy and Geochemistry of Bauxite Ore Deposits at Az Zabirah Area In Central Northern of Saudi Arabia (2012).
4. Geology, Geochemistry and Mineralogy of Oolitic Iron Ore of Shumaysi Formation at Wadi Fatima, West Saudi Arabia (2013).
5. petrology and provenance of Sajir member (SAQ FORMATION) in the Central Saudi Arabia (2013).
6. petrologic, paleoclimatic and geologic setting of az zabirah bauxite ore deposite, central north of saudi arabia (2014).
7. Geologic Setting of Az Zabirah South Zone Bauxite Ore Deposits, Central North of Saudi Arabia (2015).

Ph.D. Supervision:

1- Geotechnical behaviour of some Middle and Upper Eocene limestone east of Nile Valley-Egypt. And its impact on quarrying operations. (Awarded in 2000)

2- Geological and Ceramic Studies of Some Shale Formations Around Tushka Area, South Valley, Egypt. (awarded).

3- Sedimentalogical studies of the accumulated salts and their environmental hazardous at El Ratama, Damietta-Egypt. (awarded).

4- Mineralogical and chemical studies of soil profiles from south Tushki area with emphasis on their suitability for agricultural usages in Egypt. (awarded).

5- Groundwater hydrology of the Middle Miocene and the related Aquifers in Siwa Depresions, Western Desert, Egypt (2006).

Project:

1- Geological Setting, Mineral and Chemical Evaluation of Bauxite Ore Deposits of Az Zabirah Area, Central Northern of Saudi Arabia. National

Science, Technology and Innovation Plan, KINGDOM OF SAUDI ARABIA, 14-SPA686-02 (PI).

2- Sayaha salt effects on the soil and its environmental hazardous – west of Damitta, 2004. (ACADEMY OF SIENTIFIC RESEARCH AND TECHNOLOGY).

3- Sayha Salts Effects on Soil, International Coastal Road (ICR), Economic Projects and Their Environmental Hazardous Between Rosetta and Alexandria, 2007. (ACADEMY OF SIENTIFIC RESEARCH AND TECHNOLOGY).

4- Consaltant for some Egyptian petroleum company, specially for petrographic description, heavy mineral identifications and separation, XRD, ESM and core descriptions.

Memberships:

1- The Geological Society of Egypt.
2- The Mineralogical Society of Egypt.
3- The Saudi Society for Geosciences**.**