

## ***Curriculum Vita***

### ***Personal information:***

**Name:** Hesham Ahmed Hussin Ismaiel.

**Academic Degree:** Ph.D.

**Date of Birth:** 12 –12-1969

**Place of Birth:** Qena, Egypt

**Sex:** Male

**Nationality:** Egyptian



**Marital Status:** Married, one child (called Abd Elrhman)

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**Address:** Geology Department, Faculty of Science, South Valley University, 83523 Qena, Egypt.

**Specialization:** **Engineering Geology and Soil Mechanics.**

**Present Position:** Lecturer of **Engineering Geology and Soil Mechanics**, Geology Department, Qena Faculty of Science, South Valley University.

**Additional Tasks:** Member of the geological and geophysical consultation office.

Chief of the geological and geophysical consultation office.

Consultant in the field of Engineering Geology and Soil Mechanics.

### ***Academic Background:***

- **B.Sc. Geology “Very Good”**, 1991, Qena Faculty of Science, Assiut University.
- **Master Courses “Distinct”**, 1994, Qena Faculty of Science, Assiut University.
- **M.Sc.** 1996, South Valley University, Egypt, (*Master in Geology*).
- Diploma in Engineering Geology “**Very Good with degree (1)**” 2003, (**Development Study in Engineering Geology and Geotechnics**), Martin Luther University, Halle, **Germany**.
- **Ph.D.** 2006 “**Very Good with degree (1)**” (**Ph.D. in Engineering Geology & Soil Mechanics**), Martin Luther University, Halle, **Germany**.

### ***Previous Professional Positions:***

- 1993 - 1996: Demonstrator, Geology Department, Qena Faculty of Science, Assiut University
- 1996 - 2001: Assistant Lecturer, Geology Department, Qena Faculty of Science, South Valley University

- 2001 - 2006: Scientific Assistant, Engineering Geology Group, Geological Institute, Martin Luther University, Germany.
- 2006 up to now: Lecturer, Geology Department, Qena Faculty of Science, South Valley University

### ***Participation in Higher Education Enhancement Projects (HEEP):***

- Coordinator of Geology Department for the Internal Quality Assurance and Accreditation Project, Faculty of Science (Qena).
- Member in the first stage of Strategic Plan of Higher Education project at Qena Region.
- Member in the team work of Qena faculty of science, Internal Quality Assurance Project, SVU.
- Committeeman of the faculty of science strategic planning.
- Committeeman of credit hour system bylaw for geology Department.
- Committeeman of credit hour system bylaw for Qena faculty of science.
- Writing a credit hour system bylaw for a new branch in geology department (Engineering and Environmental Geology). It's the first branch in Faculties of science in Egypt.
- Participation in construction a location map of the south valley university buildings as data base.
- Participation in construction a location map of the higher education buildings in Qena city as data base for the first stage of Strategic Plan of Higher Education project.

### ***Participation in Development and Research Projects:***

- Project of ground and drink water problems, Esna, Qena Governorate.
- Project of Recycling of CKD (by Products), (under construction).

### ***Main Interests:***

- Geotechnical Investigations
- Soil and Rock Mechanics Investigations
- Engineering Geological Investigations
- Soil Improvement and Treatment
- Geotechnical computer programs
- Engineering geological Explorations
- Recycling and reuse of by-Products
- Stress and strain analysis of deformed rocks
- Geological Hazards relating to Engineering Geology
- Field Geology & Geological Survey
- Environmental Impact Assessment
- Environment Protection
- Environmental Geological Investigations
- Design of Models for Students
- Evaluation of Mining and Quarries
- Crises Management
- Strategic Planning

- Social Societies Activities

### **Geological and Engineering Geological Field Trips:**

- 1991, Geological field trip to Quift-Qusir Road and Red Sea Region, Egypt.
- 1994, Geological field trip to South of Sinai, Gulf of Suez and Gulf of Aqaba, Egypt.
- 1994, Geological field trip to Wadi Qena, Eastern Desert, Egypt.
- 1994, Geological field trip to North Sinai, Egypt.
- 1995, Geological field trip to Gebel Dandara and Luxor Region, Egypt.
- 1995, Geological field trip to Wadi El-Tarfa and South Galala Plateau, Eastern Desert, Egypt.
- 2003, Geological field trips to Lippendorf, Saxony- Anhalt, Germany.
- 2004, Geological field trips to Ehemaliger Salziger See-area, Eisleben, Germany.
- 2004, Geological field trips to Quarries between Zappendorf and Koellme villages, Halle, Germany.
- 2005, Geological field trips to Sand-gravel quarries area, Lower Oligocene, Sieglitz village, Germany.
- 2006 to 2012, Many field trips for students training at Wadi Qena, Wadi Girdi, Maaza Plateau, Wadi Khor Abo Sbiera,.....etc.
- 2012, Geological field trip to Pull-apart basin in Alpien mountain, Leoben, Schladming, Austria.

### **Languages:**

- Arabic (mother language).
- English (the first foreign language), Very Good.
- German (the second foreign language), Very Good.

### **Computer Skills:**

- Microsoft office (Word, Excel, Power point, Access)
- Graphics (CorelDraw, Photoshop)
- Statistic Programs (SPSS, Origin Professional)
- GGU-Programs (Geotechnical Programs): Tests in Lab- & Tests in Situ- & Geotechnical Calculations- Programs.
- Gefuge, Erdas, & GIS-Programs
- Finite Elements Analysis Programs
- Stereo-net Programs
- Internet Searching Programs

### **International Scholarship:**

- Ph.D. Scholarship in Germany funded by the Egyptian Government, 2001-2006.

### **Training Courses and Workshops:**

- Training Course on Scanning Electron Microscope, Assiut University, Egypt, 1995.
- Compacted Courses for preparation of University-Teacher, Qena Faculty of Education, South Valley University, 1994.
- Training courses in the field for engineering geology, Halle, Germany, 2001.
- Two training Courses on "finite elements analysis", Martin-Luther University, Halle, Germany, 2002.
- Training in the laboratory of the soil mechanics on the modern generations of the computerized-instruments, 2002.
- Two workshops on, "Applied Geochemistry", Martin-Luther University, Halle, Germany, 2006.
- International GIS Course, GIS-Applications on Hydrogeology and Environment, Halle, Germany, 2006.
- Workshop on the application of fly ash chemical stabilization, Geologische Landsamt, Halle, Germany, 2005.
- Training courses in the field for engineering geology, Halle, Germany, 2006.

### **Attending Conferences:**

- 1994, International Conference on geology of arab world, Cairo, Egypt.
- 2002, Conference on the geology, Halle, Germany.
- 2008, Conference on focal point (FP7), Cairo, Egypt.
- 2010, The fifth international conference on the geology of Tethys, Qena, Egypt.
- 2012, Geology of the Nile Basin Countries Conference, March, 2012, Alexandria, Egypt.
- 2012, 29<sup>th</sup> IAS Meeting of Sedimentology, 10<sup>th</sup> – 13<sup>th</sup> September 2012, Sachladming, Austria.
- 2013, The Second Symposium on the Geological Resources in the Tethys Realm, 5-8 January, 2013, Aswan, Egypt.

### **Supervision of Ph.D. Theses:**

- Mohamed, M.M.B: Geotechnical and sedimentological properties of the sediments and rocks exposed along the new upper Egypt-Red Sea road, Eastern desert, Egypt.

### **Supervision of M. Sc. Theses:**

- Ahmed, M.I.A.: Geotechnical and sedimentological studies of the Quaternary sediments at Qena region, Egypt.
- Ahmed, A.G.A.: Surveying and geotechnical studies to evaluation cracks along Qena-Safaga road,

Eastern desert, Egypt.

- Mohamed, A.M.,I., Geophysical and geotechnical investigation to evaluate engineering problems of the rocks and sediments along the upper Egypt–Red sea road, Eastern desert, Egypt.

- Mohamed, S.E.H., Geochemistry and the geotechnical properties of Ball clay and their omplication on ceramic industry, at Khor Abo Sbiera, Aswan, Egypt.

### **Academic Contacts:**

- Martin Luther University, Germany
- Weimar University, Germany

### **References:**

- Prof. Dr. Abd El-Hady El-Akraby, Dean of Faculty of Science, Geology Department, South Valley University, Egypt.
- Prof. Dr. Christof Lempp, Engineering Geology Group, Geological Institute, Martin Luther University, Germany.
- Prof. Dr. Karl Josef Witt, Bauhaus University, Weimar, Germany.
- Prof. Dr. Peter Wycisk, Hydrology and Environment Group, Geological Institute, Martin Luther University, Germany.

### **List of Publications:**

- 1- **Ismaiel H.A.H. (2006):** Traeatment and improvement of the geotechnical properties of different soft fine-grained soils using chemical stabilization. Doctoral work thesis, Mathematish-Naturwissenschaftliche Fakultaet der Technischen Universitaet, Halle, Germany.
- 2- **Ismaiel H.A.H. (2006):** Traeatment and improvement of the geotechnical properties of different soft fine-grained soils using chemical stabilization. ISBN-10: 3-8322-5508-7, Shaker-Verlag, Germany.
- 3- **Ismaiel H.A.H., Askalany M.M. and Badry M.M. (2011):** Geotechnical properties and classification of both non-expansive and expansive soils exposed along the new upper Egypt-Red Sea road, Eastern desert, Egypt. Scientific Journal of Banha University, Vol.6 (1A), pp: 1-18.
- 4- **Ismaiel H.A.H., Makhloof A.A., Mahmoud A.A. and Galal A.A. (2012):** Geotechnical behavior of Pliocene sedimentary rocks exposed along Qena-Safaga road at Qena region, Egypt. Conference program and abstracts, Geology of the Nile basin countries conference, Alexandria, Egypt. P.75.

- 5- **Ismaiel H.A.H., Askalany M.M. and Ibrahim A.M. (2012):** Geotechnical classification of Quaternary sediments exposed along Qena-safaga, Qift-Quseir and Qena-Nag Hammadi roads at Qena region, Egypt. Conference program and abstracts, Geology of the Nile basin countries conference, Alexandria, Egypt. P.74.
- 6- **Ismaiel H.A.H., Askalany M.M. and Badry M.M. (2012):** Geotechnical evaluation of sedimentary rocks and karstification phenomena of carbonates exposed along new upper Egypt-Red Sea road, Eastern desert, Egypt. Conference program and abstracts, 29<sup>th</sup> IAS Meeting of Sedimentology, 10<sup>th</sup> – 13<sup>th</sup> September 2012, Sachladming, Austria. P. 324.
- 7- **Ismaiel H.A.H., Askalany M.M. and Badry M.M. (2012):** Geotechnical evaluation of Quaternary gravels quarries exposed along new upper Egypt-Red Sea road, Eastern desert, Egypt. Conference program and abstracts, 29<sup>th</sup> IAS Meeting of Sedimentology, 10<sup>th</sup> – 13<sup>th</sup> September 2012, Sachladming, Austria. P. 325.
- 8- **Ismaiel H.A.H., Mahmoud A.A., Makhloof A.A. and Galal A.A. (2012):** Geotechnical behavior of Pliocene sedimentary rocks exposed along Qena-Safaga road at Qena region, Egypt. International Journal of Mining Engineering and Mineral Processing, Vol.1 (2), pp: 84-93.
- 9- **Ismaiel H.A.H., Askalany M.M. and Ibrahim A.M. (2013):** Lime chemical stabilization of Nile silt soil exposed along Nile banks at Taramsa village, Qena region, Egypt. Conference program and abstracts, the second symposium on the geological resources in the Tethys realm, 5-8 January, Aswan, Egypt.
- 10- **Ismaiel H.A.H., Askalany M.M. and Badry M.M. (2013):** Lime chemical stabilization of expansive deposits exposed at El Kawther quarter, Sohag region, Egypt. Conference program and abstracts, the second symposium on the geological resources in the Tethys realm, 5-8 January, Aswan, Egypt.