CURRICULUM VITAE

***PROFESSOR Dr*. Abd El-Hamid El-Shater Abd El-Hamid**

CLASTIC SEDIMENTOLOGIST

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NAME: Abd El-Hamid El-Shater Abd El-Hamid

ACADEMIC GRADE: Ph. D. (Geology)

DATE OF BIRTH: 23/5/1953

PLACE OF BIRTH: Alexandria , Egypt

SEX: Male

MARITAL STATUS: Married

NATIONALTY: Egyptian

PROFESSION: Professor of clastic sediments , Geology Department, Faculty of Science, Sohag University, Sohag, Egypt**.**

Major Field of specialization: Clastic Sediments

Main field of specialization: Mineralogy of Clastic sediments

Experiences:

1-separation, identification and quantification of clay minerals.
2- Microstructure of clays and defects and strains of their unit cells.
3-separation, identification and quantification of heavy minerals
4-Sedimentary basin analysis
5-Application of sedimentology in Geotechnical problems and geological exploration

Teach the following courses:

1-Physical Geology
2-Sedimentary Rocks
3- Digenesis of Sedimentary Rocks
4- Pale environments of Sedimentary Rocks
5- Coastal geomorphology
6-Clay mineralogy
7-Marine sediments

Projects:

1-Evaluationthe the industrial uses the mud deposits in the Sohag region

2- Degradation of Sohag soils
3- Determination of the pollution sources of the Alarbain Lagoon , Jeddah city , Red coast, Saudi Arabia
4-Project"Support for Environmental Assessment and Management (SEAM) funded by U K Department for International Development (DFID)of the Sohag Governorate Environmental Action Plan (GEAP).
5- TMIM TEMPUS PROJECT -GEOINFORMATICS OF LAND RESOURCES (GILR)
6-Geotechnical characteristics of soils in the suggest area for establishment of the New El-asswayia village , Akhamim district, Sohag Governorate

EDUCATION:

1975 Bachelor of Geology, Faculty of Science, Assiut University.

1980 M. Sc. of Geology, Faculty of Science, Assiut University
Title of the Thesis (Sedimentological studies on the beach sediments of the Red Sea coast Egypt)

1985 Ph. D. of Geology, Faculty of Science, (Sohag), Assiut University.
Title of the Thesis (Mineralogical and geological studies on the Recent sediments of the Red Sea coast Egypt).

LANGUAGES:

1. Arabic (mother language)
2. English (the first foreign language)

PRIZES:

1. 1993, prize of Faculty of Marine Sciences , King Abdulaziz University, Saudi Arabia for the best contribution in developing the laboratories of Department of Marine Geology.

PRESENT AND PREVIOUS PROFESSIONAL POSITIONS:

1976-1980: Demonstrator, Department of Geology, Faculty of Science , Assiut University.

1980-1985: Assistant Lecturer, Department of Geology, Faculty of Science , Assiut University.

1985-1987: Lecturer, Department of Geology, Faculty of Science , Assiut University.

1988-1993 :Associate Professor , Department of Marine Geology, Faculty of Marine Sciences , King Abdulaziz University, Saudi Arabia

1995-2000 : Assistance Professor, Department of Geology, Faculty of Science, South Valley University, Sohag, Egypt.

From May 2000: Professor of Sedimentology, Department of Geology, Faculty of Science, South Valley University, Sohag, Egypt.

2001-2012: Head of Geology Dept., Faculty of Science, Sohag University

2008- 2013: The project manager of TMIM tempus project -geoinformatics of land resources (GILR)

Training:

	Place	Date
1-Analytical techniques in industrial minerals.	**Camborne School of Mines,University of Exeter, UK**	**2011**
2-Chemical analysis – Traditional wet chemistry - Automated procedures (X-ray fluorescence spectrometry – Atomic absorption spectrophotometry Inductively coupled plasma mass – spectrometry)	**Camborne School of Mines,University of Exeter, UK**	**2012**
3-X-ray diffraction Peter W. Scott, Camborne School of Mines,University of Exeter, UK, 2011	**Camborne School of Mines,University of Exeter, UK**	**2012**
4-Colour measurement: Important for industrial mineral fillers and pigments. Peter W. Scott, Camborne School of Mines,University of Exeter, UK, 2012	**Camborne School of Mines,University of Exeter, UK**	**2012**
5.Electron microscopy. Peter W. Scott, Camborne School of Mines,University of Exeter, UK, 2012.	**Camborne School of Mines,University of Exeter, UK**	**2012**
6-Industrial Minerals:Introduction, markets, properties and assessment.	**Camborne School of Mines,University of Exeter, UK**	**2012**
7-Techniques for mineral separation.	**Camborne School of Mines,University of Exeter, UK**	**2012**
8-Sampling and particle size measurement.	**Camborne School of Mines,University of**	**2012**

	Exeter, UK	
9-A special course on the identification of industrial minerals by different methods .	**Marten Luther University-Halle Wittenberg , Germany**	**18-2-1- 3-2011.**
10-Analytical geochemical methods (ICP-OES-ICP-MS-XRF).Institute for Geoscience WG Mineralogy – Geochemistry.	**Marten Luther University-Halle Wittenberg , Germany**	**18-2-1- 3-2011.**
11-Decomposition / digestion of solid material(cleaning of samples-crushing of samples -separation of samples -sieving separation of minerals	**Marten Luther University-Halle Wittenberg , Germany**	**18-2-1- 3-2011.**
12—Training Course on Advanced Digital Image Processing and Applications	**Assiut University**	**2-6 January 2010.**
13-A workshop about Groundwater occurrences and characterization in Egypt	**Assiut University**	**17-22-April 11-11-2010.**
14-Thermally Modified Clay Minerals as a precursors for Porous Materials.	**Assiut University**	**June 2009**
15-Advanced Analytical Techniques for Clays Characterizations	**Assiut University**	**June 2009**
16-Infrared Spectroscopy as Identification Tool for Serpentine Rocks, Eastern Desert, Egypt.	**Assiut University**	**June 2009**
17-Role of characterization in the processing of industrial minerals.	**Assiut University**	**June 2009**
18-Integrated utilization of industrial minerals: principles and case studies.	**Assiut University**	**June 2009**
19-Advanced Digital Image Processing and Application By NARSS --In Assiut University 19-23 -11-2009	**Assiut University**	**June 2009**

INTERNATIONAL TRAVEL AND RESIDENCE FOR RESEARCH/STUDY:

1983 (12 months). Practical Studies under the supervision of Prof. Dr. Hanz. Kurzweil, Institute of Petrology, Vienna University, Austria .

1984 (2 months). Practical Studies under the supervision of Prof. Dr.Richter , Institute of Chemistry, Vienna University, Austria

2005 (10 days). Research work with Dr. Omer El-Harby (King Abdulaziz City for Sciences and Technology).

FIELD TRIPS IN FOREIGN COUNTRIES:

Several field trips to different areas in Germany (1983), Austria (1984), Netherland (1985), Italy (1997) and Saudi Arabia (1988, 1989,1990, 1992, 2005):

ATTENDING CONFERENCES IN FOREIGN COUNTRIES:

1. **(1989)** The First Symposium on the Red Sea Marine Environment, King Abdulaziz University, Jeddah, 8-10 November 1989, **Saudi Arabia**.

2. **(1993)** Third European powder diffraction conference (EPDIC-3), Vienna-Austria, 1993, **Austria**.

3. **(2010) Trilateral Meeting on Clays , Spain**

4. **(2012)** The 6th Mid-European Clay Conference ,Prague, Republic of Czech.

Besides: Several national and international conferences held in Egypt have been attended (see list of Abstract). Published 27 original scientific work.

PARTICIPATION IN HIGHER EDUCATION DEVELOPMENT:

I. Attending all workshops held in our university concerning the followings

1. Higher Education Enhancement Project Fund (HEEPF)
2. Quality Assurance and Accreditation Project (QAAP)
3. Faculty Leadership and Development Project (FLDP)
4. Information and Communications Technologies Project (ICTP)

II. Attending the following workshops:

21-22 January 2004 - Writing workshop to enhance the quality of proposals submitted to HEEPF, Cairo University.

31 Mars 2004 - Project management workshop to enhance the quality implementation of the 1st cycle, Cairo University.

IV. Submit Proposals for HEEPF

September 2004. Principal Investigator and Manager for a successful proposal but not funded

MEMBERSHIP IN SCIENTIFIC INSTITUTIONS:

1. Geological Society of Egypt

2. Sedimentology of Egypt

3. Egyptian Mineralogy

4- Clays and clay minerals

5- Structure Determinations by Powder Diffractometry (SDPD)

REVIEWERING

1-Journal of Earth Science and Engineering

2-Arab.Gulf Journal Science Research

3- Journal of King Abdulaziz University Marine Science

4- Bulletin of Faculty of Science Assiut University

5-journal of African Sciences

6-Applieed clay mineral Sciences

7-Arabian Journal of Geosciences(AJGS)

8-Numerious M.Sc. and Ph.D. theses from different countries e.g.The Netherlands. Jordan, India,Saudi Arabia and Yemen.

SUPERVISIONS

1-Hassan, M. A. (1995): Sedimentological and Mineralogical studies on the Neogene clastics of the Wadi Abu Ghusun-Wadi Lahmi area, Red Sea, Egypt. M. Sc. Thesis, Fac. of Science Gelo. Dep. South Valley Univ.

2-Abu Seif, E. S. (1997): Sedimentological and Mineralogical studies on the Neogene clastics of the Wadi umm Ghaig-Wadi Mobarak area, Red Sea, Egypt. M. Sc. Thesis, Fac. of Science Gelo. Dep. South Valley Univ.

3-Abu Seif, E. S. (2005): Geological and Engineering properties of expansive soils of west El maawhoob area, Dakhala Oasis, Western Desert, Egypt. Ph. D. Thesis, Fac. of Science .Gelo. Dep. South Valley Univ.

4-Refaey, Y. B. (2008): Mineralogical and Geotechnical Studies on the Weathered Zones of the Basement rocks of Aswan Area, Egypt. M. Sc. Thesis, Fac. of Science Gelo. Dep. Sohag Univ.

5-Refaey, Y. B. (2010) : Application of some clay deposits from Egypt in industrial uses and assessment of their adsorption characteristics

6-El-Haddad , B.A., (2010) : Evolution of the Geological history of the Egyptian Nile at Sohag area Using Sedimentological Studies and remote sensing techniques

.

7- Soliman W.A (2012): mineralogy and industrial uses of clayey sediments in east of sohag, Egypt.

8- El-Haddad , B.A.,, (2015) : Application of remote sensing and geographic information system in geological hazard assessment, sohag – red sea sector, egypt"

9-Soliman W.A, (2016): Mineralogical and microstructural characterization of selected egyptian shales as possible hosts for a nuclear waste repositories**.**

10-Shehata, F. H. , (2017) : Mechanical and Engineering Characteristics of Expansive Soil and foundations , Sohag Egypt: A case study of New Sohag (Al-Kawamil) -New Akhmim (Al-Kula)

11-Abd-Elshafi,A.(2017 : Nanocomposites Montmorillonite Clay For Efficient Analytical Determination And Removal Of Iron And Manganese From Drinking Water

12-Abu Baker,M., (2018): Mineralogy of the paleocene-eocene clayey deposits in dabbabia area. loxer-Egypt.

Publications

1- Mansour, H. H., philobbos, E. R., and El-Shater,A., (1983): Some textural characteristics along the Red Sea coast of Egypt. Oceanography and Fisheries. Inst. Bull., V.9, p. 20-25.

2- Philobbos, E. R., Mansour, H. H., and El-Shater,A., (1983): Mineralogy of recent sediments along the Red Sea coast of Egypt. Oceanography and Fisheries. Inst. Bull., V.9, p. 30-41.

3- Philobbos, E. R., Kurweil, H., and El-Shater,A., (1987): Mineralogy and Sedimentology of Recent Sediments of the Egyptian Red Sea coastal area (abstract).

4-El-Shater,A., and El-Haddad,A.(1988): Wave-generated structures and ancient wave conditions in the Neogene clastic sediments of the Red Sea coast, Egypt. Sohag Pure& Appl. Sci.Bull. Fac. Sci. , Egypt., *V.4, P.125-143.*

5- El-Haddad, A and El-Shater, A.,.(1988): Sediment characteristics as a controlling factor of pollution of the groundwater from disposed wastes, Sohag , Egypt. *Bull.Fac. Sci. Assiut Uni., V.18, N.2-F, p.39-53.* Sohag Pure& Appl. Sci.Bull. Fac. Sci. , Egypt., *V.4, P.145-162.*

6-El-Shater,A., and El-Haddad,A.(1989): Grain-size parameters of insoluble residues in

ancient mixed terrigenous carbonate sediments (Shagra Formation), Red Sea coast, Egypt. *Bull.Fac. Sci. Assiut Uni., V.18, N.2-F, p.39-53.* Sohag Pure& Appl. Sci.Bull. Fac. Sci. , Egypt., *V.4, P.125-143.*

7- Tag,R.J.,Abou Ouf, M., and El-Shater, A.,.(1990): Textural characteristics of coastal sediments between Wadi.Al-Fagh and Wadi.Al-Qunfidah, South eastern Red Sea. Arab.Gulf.J.Sci.Res., V.8, P. 33-47.

8- Tag,R.J.,Abou Ouf, M., and El-Shater, A.,.(1990): Nature and occurrence of heavy minerals in the recent sediments of Al-Fagh-Al-Qunfidah coast of Saudi Arabian Red Sea. Indian. J. Mar.Sci., V.19, P.265-268.

9- Abou Ouf , M., and El-Shater, A.,.(1991): The erlationship between the environmental conditions of the Jeddah coast,Red Sea and benthic foraminifera . J.K.A.U. Mar.Sci., V.2, P.49-64.

10- Behairy, A.K.A., Durgaprassada Rao, N.V.N, and El-Shater, A.,.(1991): A siliciclastic coastal sabkha, Red Sea, Saudi Arabia. J.K.A.U. Mar.Sci., V.4, P.65-77.

11- Abou Ouf , M., and El-Shater, A.,.(1992): Sedimentology and mineralogy of Jizan shelf sediments, Red Sea coast, Saudi Arabia. J.K.A.U. Mar.Sci., V.3, P.39-45.

12- El-Shater,A., (1992): The occurrence and nature of unstable heavy minerals in Miocene, Pliocene, and Pleistocene sediments of the Red Sea coast, Egypt. Sohag Pure& Appl. Sci.Bull. Fac. Sci. , Egypt., *V.8, P.277-294.*

13- Abou Ouf ,M., and El-Shater, A.,.(1993): Black benthic foraminifera in carbonate facies of a coastal sabkha, Saudi Arabian Red Sea coast. J.K.A.U. Mar.Sci., V.4, P.133-141.

14- El-Shater,A., (1994): Palygorskite in the coastal sabkha of the Red Sea coast, Saudi Arabia . *Bull.Fac. Sci. Assiut Uni., V.23, N.1, p.143-157*

15-El-Shater, A.and Abou Ouf, M.A,(1995): Beachrock in South Jeddah the Red Sea coast of Saudi Arabia. *JKAU: Mar .Sci.V.6, PP.53-65*

16-Basaham,A. and El-Shater,A.(1996) : Textural and Mineralogical characteristics of the surficial sediments of Sharm Obhur, Red Sea coast of Saudi Arabia. *JKAU: Mar .Sci. V.6, PP.51-71*

17-El-Shater,A., (1997): Nature and origin of hematite of the Oligocene red beds of the Abu Ghusun Formation, Red Sea coast, Egypt. Egyptian. *Mineralogist., V.9, P.107-132.*

18-EL-Shater,A,(1998): Clay mineralogy and geochemistry of the siliciclastic sediments associated with Abu Dabbab Evaporites, Quseir-Safaga district, Red

Sea coast of Egypt. *Bull.Fac. Sci. Assiut Uni., V.27, N.2, p.95-120*

19-El-Shater,*A*.and Philobbos,E.R.,(1998): Clay mineral associations in the syn-refit sediments of the southern Egyptian Red Sea coastal areas: a tectono - sedimentary approach. *Egyptian Journal of Geology,v.42/2,pp.597-620.*

20-El-Shater A., (1999): Paleoclimatic interpretation of clay minerals in deep-sea cores from the Red Sea. *The first International Conference of the Geology of Africa, Assiut, Egypt, V.1, P.161-183.*

21-El-Shater,A. and El-Haddad,A. (1999): The controls on the major and trace elements variation of shales, siltstones, and sandstones of Neogene, Red Sea coast region, Egypt. *The Fourth International Conference on Geochemistry, Alexandria, Egypt, V.I1, P.115-140.*

22-El-Shater, A., Mahran,T. M., Bekir, R.Kh., and Abu Seif, E.S.,(1999): Mineralogy of the Neogene clastics of Wadi Um Ghaig-Wadi Mobarak area, Red Sea coast, Egypt(*presented and discussed during the sessions of of the Geological Society of Egypt.*

23- El- Shater, A. and El-Haddad ,A. (2000) *:*Mineral composition of the Cambrian-Cretaceous Nubian Series of Egypt: provenance, tectonic setting and climatological implications. *Bull.Fac. Sci. ElAzhar Uni.,V.1,pp.1-39 and to present and discuss during the sessions of the 12th Symposium of the Phanerozoic and development in Egypt*

24-El-Shater ,A. and El-Haddad ,A.(2003) Paleoenvironmental significance of clay mineral associations across the Cretaceous- Tertiary in Upper Egypt. The 10th Euroclay Meeting, Athens (Abstract)

25- El-Haddad .A, El- Shater, A., Yousef,A. and Abdel-Mounem,A., (2005) *:*New occurrence of post-Eocene gravels, West of Sohag area : geological significance and its suitability for different applications. 4th international conference on the geology of Africa ,Assiut University.

26-Mahran,T.M.; El-Shater,A.;Bekeir, R.; and. Abu Seif,E.SA, (2006): Sedimentology and Sequence stratigraphy of Oligocene–Middle Miocene sediments in the area south of Wadi Um Ghaig, Red Sea, Egypt: effect of eustasy and tectonics. The 44th annual meeting of the geological Society of Egypt , 19-20 December, Cairo.

27- Abu Seif,E.SA.; El-Shater ,A. El-Haddad .A and Refaey, Y., (2009): Mineralogical and Geotechnical studies on the weathered zones of the basement rocks of Aswan Area, Egypt. 6th international conference on the geology of Africa ,Assiut University.

28-El-Shater ,A. ;l-Sherif .M. El-Khashab, H.M. A., Abu Seif,E.SA., (2010):

Geotechnical properties of expansive clay shales in Gharb Elmawhoob area, Dakhla Oasis, Western Desert, Egypt.(presented in 2010 Trilateral Meeting on Clays , Spain)

29-EL-Sayed Sedek Abu Seif and El-Shater, A.A. (2010) : Engineering aspects and associated problems of flood plain deposits in Sohag Governorate, Upper Egypt. Journal of American Science;6(12):1614-1623].

30- El-Shater, A.A. (2012) : Characterization of soil clay minerals of the River Nile sediments, Sohag region, Egypt : decomposition of x-ray diffraction patterns. (presented in 2012 the 6th Mid-European Clay Conference ,Prague, Republic of Czech) and in press Journal of Earth Science and Engineering (JEASE).

31- Ahmed, A. A.,Diab, M. Sh, Abu El Ella, S. M., El-shater, A. (2013): Urbanization, agriculture and degradation of groundwater quality: Case study of Nile Valley, Luxor, Egypt. InternationalConference on Water Resources and Environment, Istanbul – Turkey, 24th-28th of November.

.

32-El-Haddad, B. A., Youssef, A. M., Mahran, T. M., & El-Shater, A., (2013): Mapping of Pliocene-Pleistocene Rock Units Using Enhanced Thematic Mapper Plus ETM+: Case Study, Wadi Qasab Area, South East Sohag, Egypt: The Seventh International Conference on the Geology of Africa, Nov. 24-26, Assiut, Egypt.

33-Mahran, T. M., El-Shater, A. Youssef, A.M & El-Haddad, B. A (2013): Facies analysis and tectonic-climatic controls of the development of Pre-Eonile and Eonile sedimentsof the Egyptian Nile west of Sohag. The 7th international confereance on the geology of Africa, Assiut, Egypt,(Abstract).

34-Refaey, Y., Jansen, B., El-Shater, A., El-Haddad, A., Kalbitz, K. (2014):The role of dissolved organic matter in adsorbing heavy metals in clay-rich soils. Vadose Zone J., Vol. 13 No. 7.

35-El.Shater,A. El-haddad,A.., El-Attar.A and Soliman,W..(2015): Bentonite in the Paleonile sediments of Sohag region, Egypt. The Second International Conference on New Horizons in Basic and Applied Science, Hurghada, Egypt

35-Refaey, Y., Jansen, B., El-Shater, A., El-Haddad, A., Kalbitz, K. (2015):Clay minerals of Pliocene deposits and their potential use for the purification of polluted wastewater in the Sohag area, Egypt. Geoderma Regional 5, 215-225.

36-El-Haddad, B. A., Youssef, A. M., El-Khshab M. H., & El-Shater, A., (2015): Karst hazards around Sohag city, Egypt: distribution, investigation, causes and impacts" : The Eighth International Conference on the Geology of Africa, Nov. 24-26, Assiut, Egypt**.**

37-Refaey, Y., Jansen, B., Parsons, J., de Voogt, P., Bagnis, S., Markus, A., El-Shater, A., El-Haddad, A., Kalbitz, K. (2016): Effects of clay minerals, hydroxides, and timing of dissolved organic matter addition on the competitive sorption of Copper, Nickel and Zinc: A column

experiment. Revised version: Journal of Environmental Management (ID: JEMA-D-16-02274).

38-Refaey, Y., Jansen, B., de Voogt, P., Parsons, J.B, El-Shater, A., El-Haddad, A., Kalbitz, K. (2016):. The influence of organo-metal interactions on regeneration of exhausted sorbent materials loaded with heavy metals. Under review (Pedosphere Journal-ID: pedos201609457).

39-El.Shater,A. Abu Seif,E.SA and Refaey, Y., (2017): Crystallographic and morphological characteristics of natural kaolins, Aswan Region, Upper Egypt.J.African Sciences , (in press)

40-El.Shater,A. El-haddad,A.., El-Attar.A and Soliman,W.. (2017): Characterisation of a Pliocene Egyptian bentonite from Sohag region for pharmaceutical use .Arabian Journal of Geosciences(in press)

41-El-Haddad1,B.A., Youssef, A. M , El-Shater A, and El-Khashab, M H. (2017): Landslide mechanisms along carbonate slopes using remote sensing techniques coupled with field and laboratory investigations: A case Study of highways surround Sohag - Assiut area, Egypt. Accepted to publish in annals of the Ninth International Conference on the Geology of Africa 7-9 november 2017.

42-Hakami Bader A.; Abu Seif S S ; El-Shater A. Environmental pollution evaluation of Al-Mesk Lake, Jeddah, Saudi Arabia , Arabian Journal of Geosciences(in press)