



Hany Hamroush received a doctorate degree in archaeological geochemistry from the University of Virginia (1985). He returned to Egypt in 1986 to teach at Cairo University and he started to teach at the American University in Cairo (AUC) since 1990 until now. His main research interests focus on the impacts of the River Nile and the environmental changes on Egypt. From 1992 to March 2012, he worked as scientific affairs specialist at the American Embassy in Cairo where his portfolio covered a wide range of issues including Science and Tecnology (S&T), Information and Communications tecnology (ICT), water, energy, and environment. While teaching at AUC and Cairo University, he was a visiting research professor at three institutions in the United States and Europe (University of Virginia, Smithonian Instituion, and Katholieke Universiteit te Leuven, Belgium). Currently, he teaches geology at AUC. In October 2008, he participated as a speaker and a panelist in a session under the title: **“Science and Environment”** at the Fulbright Association’s 31st Annual Conference that was held in Beijing, China. In 2008, 2009 and 2010 he directed the archaeological geology training component of the American Research Center in Egypt project of the Luxor Conservation Field School program. He served as a Team Leader of the Science Alumni Circle of the Binational Fulbright Commission in Egypt from December 2011 to March 2013 and chaired some conferences and meetings held by the Binational Fulbright Commission since 2012 until now.



CURRICULUM VITAE OF HANY AHMED HAMROUSH

<i>Work</i>	<i>Home</i>
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American University in Cairo	18 Gizira Street
Affiliate Assistant Professor of Archaeological Geochemistry, Chemistry Department.	Zamalek
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	Mobile: 002-010-103-0999
E-Mail: Hamroush@AUCEgypt.edu	E-Mail: Hamroush2008@gmail.com

Education

- 1973 to 1977 **Bachelor of Science in Geology**, Cairo University, Geology Department.
Degree taken with Distinction.
- 1977 to 1981 **Masters of Science in Geology**, Cairo University, Geology Department.
Research in Quaternary Geology and Archaeological Geology.
Thesis: "Geoarchaeological Studies in the Nagada-Khattara Region Region, Qena, Egypt.". Held teaching assistantships; taught courses in Sedimentology, Mapping and on the Geology of Egypt.
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Thesis: "Archaeological Geochemistry of Hierakonpolis in the Nile Valley, Egypt."
Held teaching assistantships; taught graduate courses in Instrumental Analysis for two years, Environmental Geochemistry, Analytical and Solution Chemistry, and General Chemistry while he was at the University of Virginia.

Professional Experience

1977-1985:

- Participated in several geological field trips (run by Cairo University) to Faiyum, Kharga Oasis, Bahariya Oasis, Luxor-Qena region (Nile Valley), Red Sea Coast, Idfu - Kom Ombo region (Nile Valley), 1977-1981
- Participated as a geologist in the Predynastic Project of the Luxor Region run by **Washington State University** for two seasons, 1978 and 1980.
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- **Part-time Lecturer**, American University in Cairo, Science Department. Feb. 1990 to 1992, teaching courses in Geology, Geology for Construction Engineers, and Astronomy.

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- Full-time Assistant Professor, American University in Cairo, Physics Department, September 2000 to June 2001, teaching Geology, Geology for Construction Engineers and Astronomy
- Affiliate Assistant Professor, American University in Cairo, Chemistry Department, **September 2010 to present**, teaching courses in Geology, Geology for Petroleum Engineers and Astronomy.
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Middle East by maintaining a broad range of high-level contacts with senior GOE officials, scientists and the business community; (c) advised senior Embassy officers on S&T developments and telecommunications and information technology (IT) areas in which U.S. support might be required based on technical knowledge and good professional judgment; and (d) frequently interacted with high-level visiting U.S. government officials and scientists, providing briefings, often acting as control officer for senior USG official visitors and (e) acted as a prime point of contact in Egypt for the Middle East Regional Cooperation Program (MERC) since 2003 which is an USAID funded program designed to support scientific cooperation in the Middle East region.

- 1998- 2008, participated in the annual Joint USA-Egypt Science and Technology Board Meetings, State Department, Washington, D.C., USA and Cairo, Egypt which manages the annual USD 3 million joint Science & Technology Program.
- 2000, Foreign Service Institute (FSI) – US State Department Training Workshop on Science and Technology, Washington D.C., USA
- 1992 to 2012, participated in several bilateral Science & Technology workshops that took place in Egypt under the activities of the Joint USA-Egypt Science and Technology Agreement.
- 1993, participated and worked in the preparation of a seminar on “Earthquakes Hazards of the Eastern Mediterranean Region” Cairo, Egypt, 16-21 October 1993. The seminar was organized by the U.S. Geological Survey (USGS) and the United Nations Educational, Scientific and Cultural Organization (**UNESCO**) in coordination with the U.S. Embassy in Cairo.
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- December 2011 to March 2013, Team Leader of the Science Alumni Circle of the Binational Fulbright Commission in Egypt.
- February 2012 to 2014, **Adjunct Professor in the Geology Department, Cairo University** teaching courses in Historical Geology and Scientific Writing in English for Geoscience students.

Selected Seminars and Lectures Given As a Guest Speaker:

- A seminar about "Geochemistry of Predynastic Ceramics and its Archaeological Implications" at the American Research Center in Egypt, Cairo, March, 1987.

- A seminar about "Archaeological Chemistry of Nile Sediments in Upper Egypt" at the Chemistry Department of the University of Virginia, Charlottesville, October, 1987.
- A seminar about "Quaternary Geology of Egypt: The Link of Geology to Archaeology" at the Geology Department of Suez Canal University, April, 1989
- A seminar about "Archaeological Geochemistry : Facts or Fancy?" at Department of Nuclear Engineering (The Research Nuclear Reactor Facility) of the University of Virginia, Charlottesville, September, 1989.
- A seminar about "The physical environment and its effect on Man during the predynastic time" at American Research Center in Egypt, Southern California Chapter, Los Angeles, August 1991.
- A seminar about " Geology of the Nile Valley in Egypt and Geochemical applications" at Katholieke Universiteit te Leuven, Leuven, Belgium. Summer of 1993.
- Several seminars about Archaeological Geology at the Archaeological Excavations field school of the American Research Center in Egypt. 1995 to 1999
- Public Lecture at El Sawi Culture Center in Cairo, Egypt on the Geology of Egypt and the Environment., June 2005
- Several seminars on how to write scientific grant proposals (such as for the Fulbright program) held at Cairo University, Ain Shams University, Assiut University, Alexandria University, Mansoura University, and South Valley University, regularly since 1999 until 2006
- A lecture about "Geology and Archaeology of the River Nile in Egypt" at the Mummies Museum of the Supreme Council of Antiquities, Luxor, Egypt. January 2008.
- A lecture about "Education Reform Efforts and Business Needs- A Panel on Research Funds" at a seminar organized by the Egyptian Businessmen Association and the Science Alumni Circle of the Binational Fulbright Commission in Egypt. May 2008
- A lecture about "Geography of Egypt & Environmental Issues" at the Binational Fulbright Commission in Egypt. An educational and training mission by the Metropolitan State College of Denver (MSCD), in partnership with Jefferson County public Schools (JCPS), July 2008
- A lecture about "The Nile Basin: Status and Future Challenges" The Fulbright Association 31st Annual Conference, Beijing, China, October 2008
- A lecture about "Geological and Geochemical Analysis of Nile Sediments and Ancient Ceramics" at the American Research Center in Egypt. November, 2008
- A lecture about "Africa and Future Challenges in Development against Climate Change" at the Science Circular of the Fulbright Alumni in Egypt, March, 2009
- A lecture about "Egypt and Future Environmental Challenges" at the Fulbright Enrichment Seminar on "Creating and Sustaining Knowledge in the Middle East and North Africa", Cairo, Egypt. May, 2009
- A lecture about "Climate Change and the Nile Valley" at the Fulbright Seminar entitled "Exchange Inspires Change! - How Information Exchange Can Lead To a Better Future". Bibliotheca Alexandrina, Alexandria, Egypt. Nov 2, 2009
- A lecture about "Climate Change and outcomes of the Copenhagen Summit" at Nile University (NU), Smart Village, Cairo, Egypt, January 2010
- Keynote Presentation "Climate change and the Nile Valley: Facing challenges and working for opportunities" 10th International Conference on the Geology of the Arab World (GAW10), Cairo University, Egypt, April 2010.
- Chairman and panelist at the Fulbright Science Circle Meeting (Water treatment and Solar Power opportunities and challenges for Egypt) on April 11, 2012 at the American University in Cairo.
- Co-Chairman and panelist at the Fulbright conference (Nubia: Present and future challenges) on September 21, 2012 at Amir Taz palace culture center in Old Cairo.
- A lecture about "Is the present of Mars the future of Earth?" at the Fourth Astronomy Conference held in the American University in Cairo, Bassily Lecture Hall. 29th of September, 2015.

- Chairman and panelist at the **Fulbright conference (Living long the Nile)** on October 29, 2015 at El Manasterly palace in Al Manial, Cairo.

Awards and Grants

- 1- UNESCO post-graduate studies award in Quaternary Geology, 1980. Brussels, Belgium.
- 2- Award to attend the workshop on computer applications and management of petrological data bases, held in September, 1987 at Kuwait University, sponsored by the International Geological Correlation Program (IGCP), Project # 239.
- 3- Fulbright Partial Travel Grant award to conduct post doctoral scientific research at the University of Virginia in 1987.
- 4- Award grant to attend the International Symposium on Environmental Change and Human Culture in the Nile Basin and Northern Africa until the 2nd millennium, B.C., Poznan, Poland, September, 1988.
- 5- Award grant to attend the International Geological Correlation Program Project # 252 Workshop on the Past and Future of the Sahara, Cassis - Marseille, France, January, 1989.
- 6- UNESCO travel grant and geohost award to attend the 28th International Geological Congress in Washington, D.C., July 1989.
- 7- Short term scientific visitor grant at the Smithsonian Institution, July-September, 1989 in cooperation with Prof. Dr. Daniel Stanley.
- 8- FULBRIGHT research award to conduct archaeological geology research at the University of Virginia during the academic year 1990/1991.
- 9- Meritorious Honor Award, Department of State, U.S.A., May 1992.
- 10- An award grant as a visiting professor in Quaternary Geology to Katholieke Universiteit Leuven, Leuven, Belgium. Summer of 1993.
- 11- Special Performance Award, Embassy of the United States of America in Cairo, August 1994.
- 12- Certificate of Appreciation, Embassy of the United States of America in Cairo, April 1995.
- 13- Meritorious Honor Award , Department of State, U.S.A., April 1995.
- 14- Meritorious Honor Award and Best Foreign Service National of the Year Award for American Embassy in Cairo, Department of State, U.S.A., June, 1995.
- 15- Certificate of Participation at the International Seminar for the Sustainable Development of Egypt's Red Sea Coast in April 1997.
- 16- Special Performance Award, Embassy of the United States of America in Cairo, June 2000
- 17- Special Honor Award as LES Employee of the Quarter Award at the American Embassy in Cairo, June, 2007.

Consulting & Graduate and Postgraduate Thesis Supervision

- USAID - Environmental Measurements and EIA for waste water treatment project in Alexandria
- Cairo University – supervised two Ph.D. and two M.Sc. theses.
- University of Virginia – supervised a Master degree in Archaeological Geochemistry.
- American University in Cairo- 2006- Graduate Research Seminar about “Techniques in Oil Exploration” . Physics Department.
- Senior Expert about the geology of the Media Production City at 6th of October city. 2009
- *Senior science and IT education expert about “Foresighting for Egyptian Youth Employment” RFP-UNDP-EG-2015-Innovation-002”. In progress.*

Scientific and Professional Societies

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- The Egyptian Geographical Society
 - The Science Alumni Circle of the Binational Fulbright Commission in Egypt.

Selected Publications List

- Allen, R.O., Hamroush, H., and Stanely, D.J., 1993. *Impact of the Environment on Egyptian Civilization before the Pharaohs*. **Analytical Chemistry** 56, #1: p32A-34A
- Hamroush, H. and Stanley, D.J., 1990. *Paleoclimatic Oscillations in East Africa interpreted by analysis of trace elements of Nile delta sediments*. **Episodes** 14: p.265-270.
- Hamroush, H. and Abu Zied, H., 1990. *Petrological and chemical analyses of some Neolithic ceramics from el Omari, Egypt*. In: **EL OMARI: A Neolithic Settlement and Other Sites in the Vicinity of Wadi Hof, Helwan**, F. Debono and B. Mortensen, eds., Verlag Philipp Von Zabern. Mainz Am Rhein. pp. 117-128.
- Allen, R.O., Hamroush, H., and Hoffman, M., 1989. *Archaeological implications of differences in the composition of Nile sediments*. In: **Archaeological Chemistry IV**, Ralph O. Allen, ed., *Advances in Chemistry Series No. 220* (American Chemical Society, Washington, D.C.) pp. 33-56.
- Hoffman, M., Hamroush, H., and Allen, R.O., 1987. *The environment and evolution of an early Egyptian urban center: archaeological and geochemical investigations at Hierakonpolis*. **Geoarchaeology** 2:1-13.
- Hamroush, H., 1986. *Geoarchaeology: Egyptian Predynastic ceramics and geochemistry*. **Episodes** 9:160-165.

Personal Data

Date of Birth: 3 August, 1955 in Alexandria, Egypt.
Citizenship: Egyptian. Fluent in English.
Marital Status: Married, one son.

American University in Cairo	18 Gizira Street
Affiliate Assistant Professor of Archaeological Geochemistry, Chemistry Department.	Zamalek
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from the Predynastic site of Hierakonpolis, Egypt, using Instrumental Neutron Activation
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and adapted pattern recognition programs for data reduction of Neutron Activation
Analysis data.
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