

Tamer Hassan Nassar

Personal Information

- Nationality: Egyptian.
- Date of Birth: 30/9/1974.
- Place of Birth: Cairo.
- Gender: Male.
- Marital Status: Married.

Education

1992 – 1996 (Faculty of Science, Cairo University), Giza, Egypt.

B.Sc. in Geology (Cairo University) 1996.

- Including the study of the major Geology, with the graduation project titled [Karst Ore Deposits in Egypt].
- This was followed by a year of postgraduate studies in Petroleum Geology and Hydrogeology (1997).

MSc. in Geology (Hydrogeology and Petroleum Geology) (Cairo University) 2005.

(Geology and Groundwater Assessment of Farafra Oasis, Western Desert, Egypt.)

- Including the study of regional geology, structural geology and local stratigraphy of Farafra Oasis, with a special emphasis on the hydrogeology, hydrochemistry, environmental geology and landuse of the area, and the hydrogeological relations between the Khoman Chalk Karst Aquifer and the deep Nubian Aquifer recharging it.

Ph.D. in Geology (Hydrogeology and Petroleum Geology) (Cairo University) 2018.

(Water Resources Management and Geoenvironmental Evaluation of El Maaza Plateau Area, East of the Nile Valley, Egypt.)

- Including the study of the flash floods and management of water resources in carbonate (karst) aquifers around the Nile Valley of Egypt. With study of watershed, landuse, Environmental Impact Assessment and vulnerability mapping of the main wadis cutting the carbonate plateau.

**Professional
experience**

1997 – 2018 Assistant Lecturer "full time" of hydrogeology and water resources in the Geology Department (Faculty of Science, Cairo University), Giza, Egypt.

a member of the organizing committee of the International Conference on the Geology of Arab World (GAW), the official geological conference of Cairo University (2000- 2002- 2004 and 2006)."

2001-2005 Sales Engineer/Geologist at AL Allam Engineering Co., Cairo. Sales Engineer for refractories and steel industry equipment.

11/2007 - 11/2008 In a scholarship as a researcher at the Department of Hydrogeology, Faculty of Natural Sciences, Comenius University in Bratislava, Slovakia.

12/2008 - 6/2010 Teaching Assistant "part time" at the AUC (American University in Cairo), for Geology, Petroleum Geology and Astronomy courses.

9/2010 – 6/2013 Science academic mentor, vice coordinator and teacher; for senior high school students, American Diploma, at Al Oruba International Schools in Riyadh, Saudi Arabia.

10/2013 – 9/2014 Well site geologist at Oman Sea Petroservices LLC., Muscat, Oman.

9/2016 – 6/2018 Teaching Assistant "part time" at the AUC (American University in Cairo), for Geology, Petroleum Geology, General Science and Astronomy courses.

4/2017 – 11/2018 Part time invigilator at the British Council in Cairo Examination Center.

From 1/2019 Assistant Supervisor for British Council in Cairo Examination Center.

From 1/2019 Lecturer (Assistant Professor) "full time" at the Geology Department, Faculty of Science, Cairo University.

From 1/2019 Adjunct Faculty (Assistant Professor) at the Chemistry Department, School of Science and Engineering, American University in Cairo. Teaching Geology courses.

From 1/2019 Member in the Central Control Room for

Examinations (CCR), Faculty of Science, Cairo University.

From 9/2019 Adjunct faculty at Earth Science School, Beni Suief University.

From 10/2019 Executive Manager of the E-Learning Unit, Faculty of Science, Cairo University.

Computer Skills

Excellent Computer skills, in the use of Microsoft Office Programs and the use of drawing softwares (Surfer, Corel Draw) and knowledge of water softwares (AquaChem, WMS and MODFLOW). Using GIS and RS softwares (Erdas Imagine and Arc GIS).

Languages

Arabic as a mother language.

Excellent command (Fluent) of English language (Written and Spoken). Completed the course of professional English, and course of professional scientific translation at Faculty of Arts, Cairo University,

Projects

- Worked in the Project of Environmental Protection and Land Use Mapping, El Zommar Channel, Giza June-October 2000 (The Upgrading of Giza Governorate, Egypt). Including the Environmental Impact Assessment (EIA) of the study area.
- Worked as a hydrogeologist in the Project "Management of Groundwater Resources Evaluation around Ayoun Musa, Sinai" April 2002. With special emphasis to surface hydrology and geomorphology effects on the groundwater, and contamination by seawater.
- Worked in the Project "Evaluating The Groundwater Level in the Industrial Zone, 6th of October City – Giza" July 2002. Including the basin analysis and geoelectric studies to detect water level.
- Worked as water resources specialist in the "Eastern Desert Project (EDP)" UNDP – Cairo University, March- June 2004. The study includes the watershed study of different wadis in the Eastern Desert of Egypt, with risk and landuse mapping, with

a special emphasis on the different water resources in the area.

- Senior geologist in the "Al Hada-Al Shafe district development, At Taief, Saudi Arabia". Nov. 2006 to Jan 2007. Including the study of water resources in the area and the flash flood hazards of major wadis.
- Senior Geologist (Al Hotty Co.) at "Riyadh Metro Project, KSA", in field geology, bore hole testing and rock mechanics investigation (2014).
- Senior Hydrogeologist at "Groundwater of Ain Musa, Emmar Square project" Feb. 2016 to Jan. 2017. Including the study of groundwater seepage and water quality.
- Senior Geologist- Hydrogeologist at "Natural Hazards along 6th October- El Sokhna planned railway and stations" Nov.2017- March 2018. Including the study of flash flood and karstification hazards.

Certificated
Training
Courses

- (The Use of Stable and Unstable Isotopes in Hydrogeology and Environmental Sciences), held at the Middle East Center for Isotopes – Cairo – Egypt. (1-15 /9/1999).
- (The Pollution of Water Resources), held at Assiut University, Assiut - Egypt (15-18 /3/2000).
- (Orbital Remote Sensing and Applications in Geology), held at Ain Shams University – Cairo – Egypt (12– 15 /2/2001).
- (A study of the petrophysical properties and their measurements, through a petrophysical survey of Egypt. "Theoretically and Practically"), held at The National Research Center (NRC) – Cairo – Egypt (2– 13 /2/2002).
- (Application of Mathematical Modeling Techniques for Management of Water Resources), held at the Desert Research Center (DRC) – Cairo – Egypt (10-14 /3/2002).
- (Integrated Water Resources Management), held at

CEDARE- Cairo – Egypt (23/2/2003).

- (Exploration and Environmental Geochemistry – GEOCHIM 2003), Held at Prague – Czech Republic (1– 15 /9/2003).
- GTZ Summer School Cairo 2005, on” Sustainable development for society- Water resources sector” at the Faculty of Commerce and Political Sciences- Cairo University, (19/7/2005– 17/8/2005).
- (Metals, Health and Environment). By USGS, US Armed Forces Institute of Pathology, IUGS and Minufiya University. Sadat City-Egypt (26-27/9/2006).
- One of the organizing committees of (Introduction to Stable Isotopes in the Geological Sciences). By UNESCO, University of Stellenbosch (South Africa), and Cairo University. Cairo-Egypt. (9-10/11/2006).
- (Subsurface Geology of the Nile Delta and Petroleum Systems). By BP, BG, ROXAR, RASHPETCO, and Mansoura University. Mansoura- Egypt (1-2/4/2006).
- (Seismic Attribute Mapping of Structure and Stratigraphy). By SEG-EAGE and EGS. Cairo- Egypt (8/4/2006).
- The UN – ESA - Syria Regional workshop on (The Use of Space Technology for Disaster Management in Western Asia and Northern Africa). By GORS. Damascus- Syria (22-26/4/2006).
- In the organizing committee of the second summer school on “sustainable development in Egypt”, NAMMAA Group, at the Faculty of Commerce and Political Sciences, Cairo University, Egypt (6/2006– 7/2006).
- Participated in the 13th International Karstological School, (Sustainable Management of Natural Resources on karst), Postojna, Slovenia (26/7- 4/8/2006).
- The first e-learning training course on “Sustainable Management of Coastal Areas in the Mediterranean Sea”, by SMAP and CEDARE (15/11/2006 –

30/1/2007).

- Participated in the International training workshop, (Time in karst), Postojna, Slovenia (13-19/3/2007).
- Completed the international training course on "Environmental Hydrology in Arid and Semi-Arid Regions", Hydraulic Research Institute. Delta Barrage, Egypt (25/6- 5/8/2007).
- Participated in the 14th International Karstological School, (Transboundary Aquifers). Postojna, Slovenia (11/7-21/7/2007).
- The advanced training course on "Sustainable Management of Coastal Areas in the Mediterranean Sea", by SMAP and CEDARE (01/12/2007 – 15/02/2008).
- Participated in the 15th International Karstological School, (Sediments in Karst). Postojna, Slovenia (11-21/7/2008).
- Participated in "Communication skills" course, FLDC, Cairo University, Egypt. (30/12/2008-01/01/2009).
- Participated in "Effective presentation skills" course, FLDC, Cairo University, Egypt. (27-29/04/2009).
- Participated in "Using technology in education" course, FLDC, Cairo University, Egypt. (05-08/10/2009).
- Completed advanced GIS course, Society Service Center, Cairo University. (01/08 -01/10/2010).
- Participated in "Legal and financial aspects in university environment" course, FLDC, Cairo University, Egypt. (19-21/07/2010).
- Participated in "Conference Organization" course, FLDC, Cairo University, Egypt. (27-28/12/2014).
- Completed the first Grassroots Initiatives in Social Eco-innovation training course, CEDARE, switchmed, in SEKEM Ecovillage, Egypt. (11-14/03/2017).
- Participated in "Fundraising Skills and Best Practices" module, DAAD Kairo Akademie. DAAD Cairo Office,

Egypt. (15/10/ 2018).

- Participated in “Effective ICT policies for managing E-Learning in higher education” module, DAAD Kairo Akademie. DAAD Cairo Office, Egypt. (14/11/2018).
- Participated in “International publishing of scientific research” course, FLDC, Cairo University, Egypt. (17-18/11/2018).
- Participated in “Scholarly Collaboration” module, DAAD Kairo Akademie. DAAD Cairo Office, Egypt. (19/12/2018).
- Participated in “Constructive assessment for learning” module, DAAD Kairo Akademie. DAAD Cairo Office, Egypt. (24/12/2018).
- Participated in “Exams and Standard Evaluation Systems” course, FLDC, Cairo University, Egypt. (5-6/01/2019).
- Participated in “Assessment for Learning” course, Center for Learning and Teaching, American University in Cairo, Egypt. (28/02/2019).
- Participated in “CLT’s Teaching Enhancement Certificate I.” course, Center for Learning and Teaching, American University in Cairo, Egypt. (1/03/2019).
- Participated in “CLT Centennial Symposium, Inspiration and Innovation: Enhancing learner Experience” course, Center for Learning and Teaching, American University in Cairo, Egypt. (03-04/03/2019).
- Participated in “Crises Management” course, FLDC, Cairo University, Egypt. (15-16/6/2019).
- Participated in “Learning Through Projects” module, DAAD Kairo Akademie. DAAD Cairo Office, Egypt. (23/06/2019).
- Participated in “Statistical Analysis using STATA I” module, DAAD Kairo Akademie. DAAD Cairo Office, Egypt. (3-4/07/2019).

- Participated in “Statistical Analysis using STATA II” module, DAAD Kairo Akademie. DAAD Cairo Office, Egypt. (9/07/2019).
- Participated in “Ethics in Science” module, DAAD Kairo Akademie. DAAD Cairo Office, Egypt. (28/07/2019).
- Participated in “University Exams and Digital Question Banks” module, DAAD Kairo Akademie. DAAD Cairo Office, Egypt. (25/09/2019).

- Participated in “Research Management” module, DAAD Kairo Akademie. DAAD Cairo Office, Egypt. (29/09/2019).
- Participated in “Dealing with Change” module, DAAD Kairo Akademie. DAAD Cairo Office, Egypt. (14/10/2019).
- Participated in “Digital Transformation in Higher Education” module, DAAD Kairo Akademie. DAAD Cairo Office, Egypt. (23/10/2019).
- Participated in “Decision Making and Problem Solving” course, FLDC, Cairo University, Egypt. (04-05/11/2019).

Publications

- ☒ “Hydrochemical characteristics of the Karst Aquifer in Farafra Oasis, Western Desert, Egypt.” In the Trans-Karst 2004 Conference. Hanoi - Vietnam (22-26 /09/2004) - Abstract.
- ☒ “Hydrogeologic setting of Farafra Oasis, Western Desert, Egypt.” In the Geology of East Libya Conference. Benghazi - Libya (21-24/11/2004).
- ☒ “Formation of lakes in arid regions, Farafra Oasis as a case study.” In the First International Conference on Environmental Changes in Lakes, Lagoons and Wetlands of the Southern Mediterranean (ECOLLAW 2006). Cairo-Egypt (4-7 /01/2006) - Abstract.

- ☒ "Geo-Environmental Evaluation of Land and Groundwater Resources in Farafra Oasis, Western Desert of Egypt." In the 8th International Conference on the Geology of the Arab World. Cairo-Egypt (13-16/02/2006) - Abstract.

Professional memberships

Member in the Geological Society of Egypt (GSE),
the Geophysical Society of Egypt,
the Geographical Society of Egypt,
the International Association of Hydrogeologists (IAH),
and the International Association of Hydrological Sciences (IAHS).

Awards and Scholarships

- *UNESCO – Czech Geological Survey, Training course GeoChem 2003.
- *UNESCO – Vietnam, Trans Karst Conference 2004.
- *Naft Libya Grant, Geology of East Libya Conference, 2004.
- *Marie Curie Grant – Karst Research Institute (Postojina-Slovenia), (Karst Summer School, 2005,2006,2007 and 2008).
- *Slovak Republic Grant, Bratislava, partial PhD research in academic year 2008 - 2009.
- *Invited speaker at TEDx Riyadh, KSA (2012 and 2013).
- *Invited speaker at TEDx Zagazig University (2015).

