



General Data



Position: Associate Professor (Senior Hydrogeologist)
Name: Shawki Sami Hassan Badr El-Din
Date and place of birth: 25.11.1955 , El-Matariya, Cairo **Nationality:** Egyptian
Marital status: Married

Education:

2007 Ph.D. in Hydrogeology, Faculty of Science, Cairo University.
1999 M.Sc. in Hydrogeology, Faculty of Science, Cairo University.
1980 B.Sc. in Geology, Faculty of Science, Ain Shams University.

Languages:

Mark 1 to 5 for competence, where 5 is the highest

	<u>Speaking</u>	<u>Reading</u>	<u>Writing</u>
Arabic		Mother tongue	
English	4	4	4

Memberships:

- American Water Resources Association (AWRA).
- Egyptian Syndicate of Scientific Professions.
- The Remote Sensing Society of Egypt

Years of professional experience:

30 years

Years with firm: since 1980

Key qualifications:

Thirty years of experience in an innovative environment toward the solution of a variety subsurface and groundwater hydrologic problems and to provide effective solutions to such problems.

Country experience:

Egypt, Iraq.



Employment Record & Experience

- 2010 - 2011 - supervise different hydrogeological studies on the water requirements of tourist projects along red sea and sharm El sheikh coasts.
- 2009 - Planning and executive water supply project of golden cost company to construct crystal lagoon through design and supervise 20 pumped and injection wells. (Nabqu pay, sharm El Sheikh).
- 2008 - Team Leader of the Water Supply Project paris Oasis natural water company to supervise the construction of deep water wells (New valley).
- 2007 - Team Leader of the Project of Risk Integrated Water Resources Management System at Rosetta Branch, Financed by European Union.
- 2006 - Counterpart in Project of Water Supply to Gifgafa Village, North Sinai, Sharing with Italian Government and EEAA.
- 2005 - Team Leader of the study the Effect of Qaroun Lack on the natural spring at Wadi El Rayan (Faum Governorate).
- 2004 - 2006 - Coordinator for the Bedouin Settlement Project in Sinai Peninsula finance the Islamic Bank for Development in Jeddah, Saudi Arabia.
- 2003 - 2006 - Team Leader for the Study of Geological and Hydro-geological Condition of the dame sites Investigation in El Nuqra and Wadi Watiar at Aswan and South Sinai respectively.
- 2001 - 2003 - preparation of different studies on the evaluation of different groundwater Aquifers.
- 2000 - 2001 - Preparation a study of groundwater contamination at cool mine (Maghara area) north Sinai.
- 1996 - 1999 - Hydrogeologist counterpart with Japan International cooperation Agency (JICA)study team work (deep wells program) to construct hydrogeological map of South Sinai.
- 1993 - 1996 - Supervise more than 60 wells with depth ranges from 1200 to 1500 m. through deep wells program for water supply at Central Sinai Area
- 1991 - 1993 - Hydrogeologist counterpart with European Economic Communities (EEC) in Sinai water resources studies .
- 1989 - 1991 - Hydrogeologist counterpart with Japan International Cooperation Agency (JICA) study team work to construct a hydrogeological map of North Sinai Governorate.
- Participation in the Rural Development Study of Gebel El-Maghara Area, Financed by the Italian Government. From 1989 to 1991.
- 1989 - 1987 - Hydrogeologist counterpart with European Economic Communities (EEC) Study team work joint with Faculty of Engineering, Cairo University, Egypt to prepare hydrogeological studies on the north coast area of Sinai Peninsula.
- 1987 - 1984 - Supervising the drilling of 60 test water wells to investigate deep aquifers in different areas in Sinai Peninsula.



- 1984 - 1983 - Supervising the drilling of 15 test water wells to investigate shallow aquifers in different areas in Sinai Peninsula.
- 1983 - 1980 - Geophysist in Seismic crews in Iraqi National Oil Company.

Recognition

- Certificate of appreciation awarded for dedicated and successful participation in the Water Research Center Project, Ministry of Public Works and Water Resources, November 1988-June 1994.
- Recognizing your Characterized Efforts for Environmental Protection Ministry of Environment (EE.AA), 2006.
- Thanks and Recognition from Paris Oasis natural water company to supervise the construction of deep water wells (New valley), 2008.

Skills & Training

Training:

- (1) attending Work shop 13th IHB Arab Committees meeting and Regional Symposium on Groundwater management. Khartoum-Sudan, 2010.
- (2) Short Training Course in Investigation of Groundwater Flow Heterogeneity in Fractured Aquifers Using Stochastic Modeling Techniques, (University of Southern California "USC") at USA.2009.
- (3) Advanced Course in Leadership for Integrated Water Resources Management in Arid Countries in the Mena region and Beyond –United Nations University JORDAN, 2006.
- (4) Short Training Course in Writing Technical Proposal Projects by Lead International (FAO), 2005
- (5) Short Training Course in Water Resources Management CIHEAM-BARI, ITALY, 2005.
- (6) Course at (Team building group work and discussion and dialogue) at the regional center for training and water studies (RCTWS) 6 the October City, 2003.
- (7) Advanced Course in Environmental Isotope Hydrology and its Applications on the Field of Water Resources, 2001.
- (8) Advanced Course in Water Resources Development and its use in Arid Areas. Tottori Univ. Japan, 1998.
- (9) Condensed Course at Management of Groundwater supply for urban areas, Chalmers University, Sweden, Denmark, 1994.
- (10) Advanced Course in the field of Groundwater Resources Development (MPWWR), 1993.
- (11) Course in the field of Computer Program (AUTO-CAD), 1991.
- (12) Condensed Course in Technique of hydrologic investigation for international participants Colorado, USA, 1990.



Supervisory and training experience:

- (1) Teaching in regional training course to whom responsible of water resources in the Arab Countries. The course is under supervision of UNESCO, ELECSO, and ESESCO. The course was done in Nov. 2000 at Training in 6 October City, Egypt.
- (2) Teaching in Complementary Training Program on "Appropriate Management of Land and Water Resources for Effective Utilization in Arid & Semi-Arid Regions", Aug. (2009-2011) at Training Center, Hydraulic Research Institute.

Publication

- 2012 Dr. shawki S. Hassan "The effect of Brine Injected System on Exploitation of Saline Groundwater along the Coastal area. Sharm El-Sheikh. Egypt (Case Study)" the 22th International Conference on (Environmental protection is a Must) Alexandria, Egypt .
- 2012 Hydro geochemistry and groundwater modeling in Saint Katherine area and its surroundings, southern Sinai " water science, The National Water Research Center Journal 2012 Egypt.
- 2012 Surface water and Groundwater Relationship in Desert Areas As a Guide for Sustainable Development " the 22st international conference on (Environmental protection is a Must) Alexandria , Egypt .
- 2012 Microbiological and Hydrogeochemical studies on the contamination Sources on groundwater at rafah- zuwayd North Sinai –Egypt, (Faculty of Engineering - Mataria)" Engineering -Research Journal ".
- 2011 Impact of flash floods on the hydrogeological aquifer system at delta wadi El-Arish (north sinai)"Fifteenth international water technology conference, (IWTC15), Alexandria , Egypt,
- 2009 Groundwater Exploration in Gifgafa Area, Central Sinai, Egypt.(International Conference on water reservation in arid regions (king Abed El aziz univ. Saudi Arabia)
- 2008 Numerical Modeling for Groundwater potentiality in the Quaternary Aquifer in El-Qaa Plain Area, South Sinai, Egypt. (Water Science, the National Water Research Center).
- 2006 Integrated Water Resources Management in East Suez Canal Area, Egypt ",Third Arab Water Regional Conference, 9-11 Dec, 2006.
- 2004 An integrated overview for water resources development of the eastern border of Egypt Second Regional conference on Arab Water 2004 Action Plans for Integrated Development Cairo, Egypt April 12-15- 2004
- 2004 Geoelectrical Study for Delineation of Sealing Layer Distribution at the Southern Part Proc Of Association of Returned Egyptian Toshka of Depression and Ministry of Water Resources and Irrigation, Joint Conference, Toshka 2004.
- 2002 Contribution of Fractured Limestone Aquifer as Groundwater Resources in Sinai Peninsula, Egypt. First Regional Conference on Perspectives of Arab water Cooperation, (Challenges, Constraints and Opportunities) National water Research Center & UNESCO, Egypt.October.12-14, 2002.Vol.1
- 1999 Practical Instructions for Drilling Deep Wells. International Conference on Integrated Management of Water Resources in the 21st Century, Silver Jubilee of the National Water Research Center, Cairo, Egypt, Nov. 21-25, 1999. Vol.2.