



General Data

- Position:** Professor, Head of Geohydrology Department.
- Name:** Abdel Hafez Hassan Mohammed
- Date and place of birth:** 1.3.1956 , Idfu, Aswan **Nationality:** Egyptian
- Marital status:** Married
- Education:**
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| 1991-1994 | Ph.D. in Hydrogeology, Faculty of Science, Menoufia University, Egypt. |
| 1986-1990 | M.Sc. in Geology, Faculty of Science, Mansoura University. |
| 1974-1979 | B.Sc. in Geology, Faculty of Science, Assiut University, Egypt. |
- 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:**
- Member in American Water Resources Association (AWRA)
 - Member in Egyptian Syndicate of scientific professions.
- Years of professional experience:** 30 years **Years with firm:** since 1982
- Key qualifications:** Thirty years of experience in the field of hydrogeology, geology and water quality.
- Country experience:** Egypt.

Employment Record & Experience

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| 2004 – Now | - Head of Geohydrology Department at WRI |
| 2002 – 2003 | - Team member in the "Developing Renewable Groundwater Resources in Arid Land" A pilot Case – the Eastern desert of Egypt sharing the hydrological data collection of wadies and tributaries. |
| 1995 - 1999 | - Counter-part with Japan International Cooperation Agency (JICA) teamwork to construct a hydrogeological map of South Sinai Governorate. |



Hydrogeologist Expert
Abdel Hafez Hassan M. Ahmed

- 1992 - 1995 - Supervising the drilling program of 5 productive wells Wadi Shaera and El Kuntilla area in Sinai.
- 1989 - 1991 - Counter-part with Japan International Cooperation Agency (JICA) teamwork to construct a hydrogeological map of North Sinai Governorate.
- 1987 - 1990 - Supervising the drilling program of 56 test water wells to investigate shallow aquifers in different areas in Sinai, and also Supervising the drilling program of 5 deep water wells to investigate deep aquifers in Sinai.
- 1987 - 1989 - Counter-part with European Economic Communities (EEC) teamwork joint with faculty of Engineering, Cairo Univ., Egypt to study the hydrogeology of north coast area of Sinai Peninsula.
- 1984 - 1987 - Supervising the drilling program of 60 test water wells to investigate deep aquifers in different areas in Sinai

Task Assigned

- Progress report of Bedouin settlement in Rafaa-El Sheikh Zuwayied area (2005).
- Geophysical study for groundwater in El Hasana area (2002).
- Groundwater potentiality study in El Halal area, north Sinai (2000).
- Geophysical study in El Gofa, El Torr, Fieran areas, South Sinai (1999).
- Groundwater potentialities in Elwet El Agramiya, south Sinai (1999).
- Groundwater potentiality study for cement factory in Libni area, north Sinai (1999).
- Water resources potentialities for Bedouin settlement in central and south Sinai (1999).
- Groundwater development study in El Malha area (1998).
- Groundwater potentialities for cultivation of 3,000 feddan in Sudr area (1998).
- Groundwater evaluation to abstract 500 m³/day in El Qaa plain (1998).
- Groundwater potentiality study in Abu Augiela, north Sinai (1998).
- Hydrogeological study of Rommana-Bir El Abd area (1997).
- Hydrogeological evaluation for groundwater potentiality in Taba area (1997).
- Groundwater development study in Wadi Fieran and Wadi Sidri, south Sinai (1996).



- South Sinai water resources study (1996).
- Groundwater development study in El Qaa plain (1995).
- Hydrogeological studies at Wadi Watir and its tributaries (1995).
- Sinai water resources development study (1993).
- North Sinai groundwater resources study (1992).
- Development study of Ain Furtaga-wadi Watir area (1989).
- Participation in the environmental isotopes studies carried out on groundwater, natural springs, and surface water with the cooperation with French Geological Survey BRGM, Japan International Cooperation Agency JICA, and Egyptian Nuclear power Agency.
- Interpretation of chemical analyses of groundwater.
- Monitoring of groundwater aquifers.
- Participation in the national and international conferences and workshops in the field of groundwater, water quality, desalination, and environmental isotopes.
- Participation in purchase committees for technical and scientific instruments.
- Preparation of tender documents and technical specifications of groundwater wells.
- Counter-part in evaluation, development and execution of some flash flood protection works south Sinai in cooperation with Italian government. (2003-2005).

Supervised Thesis

- M Sc. thesis entitled "Hydrogeological Conditions of Abu Zenima Area, South Sinai, Egypt", Faculty of Tanta University, Cairo, Egypt.

Skills & Training

Training:

December, 2004	Water Resources Management, Bari, Italy
May. 1991	Planning and Managing Water Resources Research, Colorado, USA.
Apr.- May,1991	Research Planning Management, Egypt.
Jun.- Aug., 1990	Technique of Hydrologic Investigations for International Participants, Colorado, USA.
Mar.- Apr., 1987	Development of Water Resources in Sinai, Egypt.
Jan.-July,1986	Water Resources Technology in Developing Countries, Birmingham Univ., England.



Publications

The number of publications is about (26) published paper, among them:-

- Desalination of Brackish Water in Central Sinai, Egypt. Intertional Workshop, Desalination Technologies for Small and Medium Size Plants with Limited Environmental Impact, Rome, Italy, Dec., 3- 4, 1998, P.491-502.
- Water, Agriculture, and Environmental Impact at Rabaa - Bir Abd Region, North Sinai, International Scientists Association (ISA) - Euro- Arab Coopertion Center (EACC)- Social Fund for Development (SFD).
- Practical Instructions for Drilling Deep Wells. International Conference on Integrated Management of Water Resources in the 21th Century, Cairo, Egypt, Nov., 21 -25, 1999, P. 644 - 652.
- Exploration of Two New Aquifers in Sinai. 5th International Conference on the Geology of the Arab World, Cairo University, Feb., 2000, vol. II, p. 911-920.
- Assessment of the Available Aquifers for Development of Wadi Gharandal Area, South Sinai, Egypt. International Conference on Wadi Hydrology, Nov., 21 - 23, 2000, Sharm El Sheikh, vol. I, P. 164 - 173.
- Case Study for Shallow Groundwater Pollution in the Egyptian Village: Damas Area, East Delta, Egypt. First Regional Conference on Perspectives of Arab Water Cooperation: Challenges, Constraints, and Opportunities. Cairo, Egypt. Oct., 12 - 14.
- Industry and Its Environmental Impact on Water Resources in Sinai, Egypt. First Regional Conference on Perspectives of Arab Water Cooperation: Challenges, Constraints, and Opportunities. Cairo, Egypt. Oct., 12 - 14.
- Groundwater Management of Quaternary and Lower Cretaceous Sandstone (Nubian) Aquifers in Some Parts of Sinai Peninsula, Egypt. Arab Water 2004, Action Plans for Integrated Development
- Dr. Abdel Hafez H. Mohammed (2008) " Water Resources Flow Direction along Eastern Borders of Sinai Peninsula, Egypt," Water Science, the National Water Research Center.
- Dr. Abdel Hafez H. Mohammed (2005) "Desalination and the Environmental Impacts in Arid, Semi-Arid and Remote Areas," Water Science, the Issue 38 October 2005 the National Water Research Center.
- Dr. Abdel Hafez H. Mohammed (2004) "Groundwater Management of Quaternary and Lower Cretaceous Sandstone (Nubian) Aquifers in Some Parts of Sinai Peninsula, Egypt, " Arab Water 2004, Action Plans for Integrated Development.
- Dr. Gamal Abd allah, Dr. Abdel Hafez Hassan, Prof. Dr. Mohamed Abdel Motaleb (2006) "Integrated Water Resources for sustainable Development in Sinai Peninsula, Third Joint Conference, Toshka, 2006, (Achievement and challenges).
- Dr. Gamal Abd allah, Dr. Abdel Hafez Hassan, Dr. Medhat El Bihery, Prof. Dr. Mohamed Abdel Motaleb (2005) "Application of Isotope Hydrology Techniques in the Management of Wadi El Arish System, Egypt 3rd International Conference for Wadi Hydrology, 12-14, December, 2005, Sanaa, Yemen.
- Dr. Abdel Hafez H. Mohammed, Eng. Ahmed Maher, Dr. Shawki Sami, Dr. Gamal Abd allah, (2006), "Integrated Water Resources Management in East Suez Canal Area, Egypt," 3rd Arab Water Regional Conference, Advancement in Managing Limited Water Resources, 9-11 December, 2006, Cairo, Egypt.
- Dr. Gamal Abd allah, Dr. Abdel Hafez H. Mohammed, Prof. Dr. Madiha Mustafa "The Role of Brackish Groundwater for Water Resources Management in South Sinai



(Case Study)", the 3rd International Conference on Water Resources and Arid Environment (2008) and the 1st Arab Water Forum, Riyadh, Saudi Arabia, 16-19 November 2008.

- Dr. Osama abdel Raouf, Dr. Abdel Hafez H. Mohammed, "Deep Subsurface Exploration of Groundwater for Sustainable Development in Northeastern Sinai, J. Egypt. Acad. Soc. Environ. Develop. 9 (2): 125-139 (2008), (D- Environmental Studies) ISSN 1110-8770.