

CURRICULUM VITAE

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Professor of Environmental Hydrology,
Department of Irrigation and Hydraulics,
Faculty of Engineering, Ain Shams University, Cairo, Egypt

Head of Hydraulic Studies & Design Department
Tawfic & Associates – Environmental & Water Consultants
New Cairo, Cairo, Egypt

General Information:

Place and Date of Birth: Cairo, 09.06.1957

Marital Status: Married (one son and two daughters)

Nationality: Egyptian

Native language: Arabic

Foreign languages: English and German

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Scientific Degrees:

B.Sc. in Civil Engineering, Ain Shams University, Cairo, June 1980.

M.Sc. in Civil Engineering, Ain Shams University, Cairo, June 1984

Ph.D. in Civil Engineering, Ain Shams University (Egypt) and TU Braunschweig (Germany),
February 1989

Positions:

September 1980

Demonstrator, Irrigation & Hydraulics Department, Faculty of Engineering, Ain Shams University, Cairo.

August 1984

Assistant Lecturer, Irrigation & Hydraulics Department, Faculty of Engineering, Ain Shams University, Cairo.

March 1989

Lecturer, Irrigation & Hydraulics Department, Faculty of Engineering, Ain Shams University, Cairo.

January 1995

Assistant Professor, Irrigation & Hydraulics Department, Faculty of Engineering, Ain Shams University, Cairo.

June 2001

Professor of Environmental Hydrology, Irrigation & Hydraulics Department Faculty of Engineering, Ain Shams University, Cairo.

Membership of Professional Organizations:

- * Egyptian Syndicate of Engineers
- * Society of Egyptian Civil Engineers

Training:

September 1981

International Post Graduate Course on Groundwater Models, UNESCO, Ain Shams University, Cairo, Egypt.

Jan. - July 1985

International Course on Hydrology, UNESCO, Padova University, Italy.

Experience:

I. Teaching Experience:

I.1. Undergraduate Courses:

Irrigation - Drainage - Fluid Mechanics - Hydraulics - Design of Irrigation Structures - Civil Engineering Drawing. - Environmental Hydrology - Water Resources Engineering -

Environmental Impact Assessment for Projects - Graduation Project (Hydrology & Protection against Flash Floods)
(Ain Shams University - Suez Canal University - Higher Technological Institute of 10th of Ramadan City)

I.2. Graduate Courses:

Advanced Irrigation - Surface Hydrology - Groundwater Hydrology - Analysis of Hydrologic Systems
(Ain Shams University)

II. Practical Experience:

II.1. Hydrological Studies:

Protection of Naema Bay - Sharm El-Sheikh, South Sinai Against Flash Floods, Hydrological studies - Design of Dams and crossing works - Field investigations (AAW - Dr. Ahmed Abdel-Warith Consulting Agency) 1991 - 1993

Protection of Nweibaa - Ras El-Naqeb International Road, Wadi Watir, South Sinai against flash floods, Hydrological studies - Design of protection works - Water use - Study of Ein Fertaga Spring - Irrigation Schemes (AAW - Dr. Ahmed Abdel-Warith Consulting Agency) 1992 - 1994

Protection of Aguiba - El-Nigela, North Coast, Egypt against Flash Floods, Hydrological studies - Design of protection works - Field investigations (El-Mongy & Associates) 1994

Protection of Hasik - Hadbin Road, Zhofar Province, Sultanate of Oman, against Flash Floods, Hydrological studies - Design of protection works (AAW - Dr. Ahmed Abdel-Warith Consulting Agency) 1995

Protection of Baghoush Village, North Coast, Egypt against Flash Floods, Hydrological studies - Design of protection works - Field investigations (El-Mongy & Associates) 1996 - 1997

Project of HAS Vhelana Valley, Albania. Field investigations, Hydrological studies and Design of HAS Dam, Design of Spillway, tunnel and intake, (Sabbour Associates) 1996 - 1997

Protection of Al-Ain - Qurieh Containers Road, Abu Dhabi, U.A. Emirates, against Flash Floods, Hydrological studies - Design of Protection works - Design of Storm Drainage System. (AAW - Dr. Ahmed Abdel-Warith Consulting Agency) 1996 - 1997

Protection of "El-Sharm El-Quibely Touristic Project" - El-Qusier - Red Sea - Sharm Red Sea Company for Touristic Development against Flash Floods, Hydrological studies - Design of Protection works - Design of Drainage System. (El-Mongy & Associates) 1997

Design of Storm Drainage System of "Mokatam Road" - Cairo - Egypt, Hydrological studies, design of drainage network (ACE, Moharam - Bachum), 2001 - 2002

Protection of "Milinium Sikuphe Airport" and its Approach Roads - Kingdom of Swaziland - against Flash Floods, Hydrological studies - Design of Protection works - Design of Storm Drainage System, (ACE, Moharam - Bachum), 2001 - 2002

Protection of "Katamya – Ain Sokhna" Highway - Egypt - against Flash Floods, Hydrological studies - Design of Crossing works, (Egyptian Military Engineers), 2001 - 2002

Protection of "Katamya - Koraymat" Highway - Egypt - against Flash Floods, Hydrological studies - Design of Crossing works, (Egyptian Military Engineers), 2003 - 2005

Protection of "Koraymat – Beni Swief" Highway - Egypt - against Flash Floods, Hydrological studies - Design of Crossing works, (Egyptian Military Engineers), 2006 - 2008

Protection of "Cairo – Alexandria – Mersa Matrouh" Highway - Egypt - against Flash Floods, Hydrological studies - Design of Crossing works, (Hamza & Associates), 2005 – 2006

Protection of "Upper Egypt – Red Sea" Road - Egypt - against Flash Floods, Hydrological studies - Design of Crossing works, (Hassan Allam Company), 2008 - now

Protection of "2nd Regional Road – Robeky Joint" - Egypt - against Flash Floods, Hydrological studies - Design of Crossing works, (Hassan Allam Company), 2008 – 2009

Protection of "Beni Sweif – Minya - Assiut" Road - Egypt - against Flash Floods, Hydrological studies - Design of Crossing works, (Egyptian Military Engineers), 2008 – now

Study of "Hurghad – Luxor" Railway - Egypt, Hydrological studies – Flash Floods Hazard Analysis, (Hamza & Associates), 2009

II.2. Coastal Engineering Projects:

Protection of Aguiba - El-Nigela Road, North Coast, against waves action, Ecnographical studies - Field Investigations - Design of protection works (El-Mongy & Associates) 1994

Protection of Port Said Cornish against waves action, Design of protection works. (ACE, Moharam - Bachum) 1996 - 1997

Protection of "El-Sharm El-Quibely Touristic Project" - El-Qusier - Red Sea - Sharm Red Sea Company for Touristic Development, against waves action, Design of protection works (El-Mongy & Associates) 1997

Design of Marina of "Oriental Coast Resort" - Red Sea - Sharm Red Sea Company for Touristic Development, (El-Mongy & Associates) 1997

Rehabilitation of the Naval Berth in the Military Base of Aden, Ministry of Defense, Yemen, 2005 - 2006

II.3. Environmental Studies:

Environmental Impact Assessment for the construction of open artificial lagoon in Afras Touristic Village, Hurghada, Red Sea. including the hydraulic design of the lagoon and its system of flashing and water circulation (ACE, Moharam - Bachum) 1994

Environmental Impact Assessment for construction of a closed artificial lake of Marriott Hotel, Naema Bay, Sharm El-Sheikh, South Sinai, including the hydraulic design of the lake and its

system of flashing and water circulation. (AAW - Dr. Ahmed Abdel-Warith Consulting Agency) 1994 - 1995

Environmental Impact Assessment for "El-Sharm El-Quibely Touristic Project" - El-Qusier - Red Sea - Sharm Red Sea Company for Touristic Development. (El-Mongy & Associates) 1997

Environmental Impact Assessment for "Dana Beach Resort Project" - Hurghada - Red Sea - NR Company for Touristic Development. (El-Mongy & Associates) 1998

Environmental Impact Assessment for "El-Obour Paper Factory Project" - El-Obour City - (BG Consulting Group, Dr. Ahmed Ghali) 2001.

Preliminary Environmental Impact Assessment for "Port Said Marina" - (ACE, Moharam - Bachum) 2003.

Preliminary Environmental Impact Assessment for "Port Alam El-Room, Matrouh" - (Consulting Center of Ain Shams University) 2005.

Environmental Impact Assessment for "Logistic Plant for General Cargo, Damietta Port" - New Marine Company, 2005 - 2006

II.4. Land Reclamation Projects:

Reclamation of 17000 Feddans in Nubaria Region, Design of canal network, Irrigation structures. (William Helcrow) 1981 - 1982

Reclamation of 1400 Feddans in El-Shabab Region for El-Kalioubia Association for Land Reclamation. Design of modern irrigation networks, Pump stations, Preparation of bill of quantities and tender documents, Field investigations, Project management and Execution supervision. (BG Consulting Group, Dr. Ahmed Ghali) 1990

Reclamation of 1440 Feddans in El-Shabab Region for Ismailia Association for Land Reclamation. Design of modern irrigation networks, Pump stations, Preparation of bill of quantities and tender documents, Field investigations, Project management and Execution supervision. (BG Consulting Group, Dr. Ahmed Ghali) 1990

Reclamation of 4200 Feddans in Abu Sweir Region for Ismailia Association for Land Reclamation. Design of modern irrigation networks, Pump stations, Preparation of bill of quantities and tender documents, Field investigations, Project management and Execution supervision. (BG Consulting Group, Dr. Ahmed Ghali) 1991

Reclamation of 900 Feddans in Genifa, Suez for El-Zeraiou Association for Land Reclamation. Design of modern irrigation networks, Pump stations, Preparation of bill of quantities and tender documents, Field investigations, Project management and Execution supervision. (BG Consulting Group, Dr. Ahmed Ghali) 1990

Reclamation of 1470 Feddans in Shandoura, Suez, for El-Zeraiou Association for Land Reclamation. Design of modern irrigation networks, Pump stations, Preparation of bill of quantities and tender documents, Field investigations, Project management and Execution supervision. (BG Consulting Group, Dr. Ahmed Ghali) 1991

Reclamation of 3500 Feddans in Inshas Region for Sedi El-Shabrawy Association for Land Reclamation. Design of modern irrigation networks, Design of drinking water network, Pump stations, Preparation of bill of quantities and tender documents, Field investigations, Project management and Execution supervision. (BG Consulting Group, Dr. Ahmed Ghali) 1993

Reclamation of 2500 Feddans in Shaloufa, Suez, for the International Company for Land Reclamation. Design of modern irrigation networks, Pump stations, Preparation of bill of quantities and tender documents, Field investigations, Project management and Execution supervision.
(El-Mongy & Associates) 1996

Rehabilitation Irrigation Project of HAS Valley, Albania. Design of HAS Dam, Design of irrigation canal network, Pump stations, Feasibility study, Preparation of bill of quantities and tender documents, Field investigations. (Sabbour Associates) 1996

Rehabilitation Irrigation Project of 1140 Hectares of Ke-Macina, Siegou, Mali, Design of irrigation and drainage network, Design of Irrigation and Drainage Work, Feasibility study, Preparation of bill of quantities and tender documents, Field investigations. (Sabbour Associates) 1997

II.5. Sanitary and Municipal Drainage Projects:

El-Gabal Assfar Treatment Plant of Greater Cairo, Design of crossing works of Emergency Channel and the open drains, Design of earth works. (BG Consulting Group, Dr. Ahmed Ghali) 1992 - 1996

Pressurized Delivery Pipeline of Balaqs Village Drainage Project, As-built Drawings, Pipeline protection works. (BG Consulting Group, Dr. Ahmed Ghali) 1992 -1993

Drinking Water and Drainage Network of the 8th District of 10th of Ramadan City, As-built Drawings, Project Follow-up. (El-Mongy & Associates) 1995

Sanitary Drainage Project of Alexandria West (Om Zeghio) - Hydromechanical Design, (ACE, Moharam - Bachum) 2002

Updating the Master Plan of Helwan Sanitary Drainage Project, (ACE, Moharam - Bachum) 2002

Sanitary Drainage Project of AlBaha Governorates – Saudi Arabia, Design and supervision of networks – F. Alam Consulting Office – Jeddah - 2007 – till now

Drinking Water Network of AlBaha Governorates – Saudi Arabia, Design and supervision of networks - F. Alam Consulting Office – Jeddah – 2007 – till now

II.6. Hydraulics Projects:

Design of the fire fighting system for JEEP Factory, Cairo. (BG Consulting Group, Dr. Ahmed Ghali) 1996

Design of the improved Fuel Piping System for JEEP Factory, Cairo. (BG Consulting Group, Dr. Ahmed Ghali) 1996

Design of the earth works of the extension area for JEEP Factory, Cairo. (BG Consulting Group, Dr. Ahmed Ghali) 1996

Design of the hydraulic control system of the water tanks for JEEP Factory, Cairo. (BG Consulting Group, Dr. Ahmed Ghali) 1996

Design of the irrigation network and pump station of the green areas and the hydraulic control system of water tanks for El-Adabia Free Zone Project, Suez. (BG Consulting Group, Dr. Ahmed Ghali) 1995 - 1996

Design and Construction Supervision of 20 hectares artificial lagoons of "Oriental Coast Resort" - El-Qusier - Red Sea - Sharm Red Sea Company for Touristic Development. (El-Mongy & Associates) 1997

Design and Construction Supervision of 20000 m² artificial lagoons of "Dana Beach Resort" - Hurghada - Red Sea - N.R. Company for Touristic Development. (El-Mongy & Associates) 1998

Design of 22000 m² artificial lagoons of "El-Ein Bay Resort" - Ain Sukhna - Red Sea - Galalah Company for Touristic Development. (Engineering Service Enterprise - ESE) 2003

Design of 12000 m² artificial lagoon of "Hasienda Resort" - Northern Coast - Middle East for Touristic Development, 2005 - 2006

Design of 100,000 m² artificial lagoon of "King Khaled University" - Gizan - Saudi Arabia, 2005 - 2006

Design and Construction Supervision of artificial lagoons of "Hacienda Resort" - North Coast - Hacienda Company for Touristic Development. 2007

Design and construction supervision of the Desalination Plant, Zubair Farm, UAE, (Technical Experts, Dr. Ahmed Ghali) 2005 - 2006

Design and Construction Supervision of artificial lagoons of "Springs Resort" - North Coast - Hacienda Company for Touristic Development. 2009

II.7. Groundwater Projects:

Development of Groundwater Quantity-Quality Finite Element Model "GWSTM" Main Frame Computer Version, Rechnzentrum, Technische Universitaet Braunschweig, Germany. 1986 - 1988

Development of "GWSTM" Version for Personal Computers with Graphics Support "GWSTP", Rechnzentrum, Technische Universitaet Braunschweig, Germany. 1988

Management of Rueden Aquifer, Leichtweiss-Institut fuer Wasserbau der TU Braunschweig, Water Authority of Wolfsburg City, Germany. 1987 - 1988

Study of Groundwater Exploitation Availability of “El-Sharm El-Quibely Touristic Project” - El-Qusier - Red Sea - Sharm Red Sea Company for Touristic Development. (El-Mongy & Associates) 1997

Design and construction supervision of the pumping and disposal wells of the Desalination Plant, Nabaq Tourist Resort of Oriental Tourist Development Company, Sharm El-Sheikh, South Sinai, Egypt. (El-Mongy & Associates) 1998

Design and construction supervision of the pumping and disposal wells of the Desalination Plant, Mersa Alam Airport, Emac Company, Mersa Alam, Red Sea, Egypt. (El-Mongy & Associates) 1998

Design and construction supervision of the pumping and disposal wells of the Desalination Plant, Oriental Coast Resort of Sharm Red Sea Tourist Development Company, El-Qusier, Red Sea, Egypt. (El-Mongy & Associates) 1998

Protection of Hawara Pyramid and Kyman Fares Monuments against Groundwater - Fayoum, (Consulting Center of the Faculty of Engineering - Ain Shams University) 2002 - 2003.

Design and construction supervision of the pumping and disposal wells of the Desalination Plant, Zubair Farm, UAE, (Technical Expert, Dr. Ahmed Ghali) 2005 - 2006

Al Obour City protection project of Groundwater, Design and construction supervision of the pumping and disposal wells, Consulting Center of Faculty of Engineering, Ain Shams University, Egypt, 2008 – till now.

Al Basateen Cemetery Area protection project of Groundwater, Design and construction supervision of the pumping and disposal wells, Consulting Center of Faculty of Engineering, Ain Shams University, Egypt, 2008 – till now.