

# **Kamel Mostafa Elsayed, Ph.D.**

+20 (12) 7065-1142 | 71 El-Ettahad St., from Osman Moharam St., Omrania, Giza, Egypt | [kamel.mostafa.elsayed@gmail.com](mailto:kamel.mostafa.elsayed@gmail.com)

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## **Water Resources Engineer / Environmental Engineer**

### **PERSONAL PROFILE**

- Highly qualified water resources / environmental engineer with over 25 years of progressive experience designing, coordinating, managing and implementing wide spectrum of water-related engineering projects for the purpose of safeguarding and enhancing the water resources and sustainable development
- Strong academic background with a B.Eng. in civil engineering, a Master's Degree in Civil Engineering and the Environment (Irrigation Engineering), a Ph.D. Degree in Irrigation and Hydraulics, Water Resources Engineering, and a certificate in Sustainability
- Advanced knowledge of theories, principles and practices of civil, water management and environmental engineering with specialization in monitoring and control of different water resources, water resources management and development, water resources policy and strategy formulation, water-energy-food security nexus, and environmental sustainability
- Proficient knowledge and long work experience in applied research organizations, environmental regulators, governmental authorities, and environmental consulting firms
- Thorough knowledge and practice of engineering codes and standards to provide technical guidance
- Strong understanding of environmental legislative process and government decision making process
- Demonstrated skills in performing water-related studies with more than 30 publications of different types
- Proven experience in developing and overseeing water resource management and environmental sustainability plans, strategies, policies, standards and regulations that support the integrated water resources and watershed management approach
- Comprehensive knowledge of watershed management practices and watershed mapping
- Proven experience in design, installation and maintenance of different levels of monitoring networks (surface water, groundwater and climate), and data collection, management and interpretation to ensure efficient operation and regulatory environmental compliance
- Proven experience in hydrologic data analyses, and stream channel surveys and assessments
- Thorough understanding of land use impacts on water quality, and hydrological concept analysis
- Strong experience of working in developing countries (MENA Region), the Gulf Area (Qatar), I provided expert advice and assistance to different organizations, outside vendors, manufacturers, and design firms
- Updated knowledge and understanding of emerging environmental trends and issues in MENA Region
- Extensive experience in project management and currently pursuing PMP credential
- Exceptional oral and written communication skills with the ability to effectively reach diverse audiences
- Skilled in establishing effective and sustainable relationships with internal and external stakeholders
- Result-oriented individual who works effectively both independently and in a team environment
- Proven experience in planning, coordinating and managing engineering projects and their own teams and budgets while maintaining attention to detail, accuracy and high quality output
- Skilled in establishing successful multi-disciplinary teams to support a wide range of engineering projects
- Extensive experience in coaching and mentoring of new and junior employees
- Strong computer skills and thorough knowledge of Microsoft Office (PowerPoint, Excel, Access, and Word) Software, project management (MS Project), database applications (Access) Software
- Highly capable in dealing with different computer analytical tools, with solid knowledge of water modelling using WEAP, SWAT, HEC-RAS, USEPA-SWMM, OTTHYMO, and WaterCAD Software
- Strong knowledge of data management software
- Fluent in oral and written English while Arabic is the mother tongue
- Licensed as Professional Engineer P.Eng., specialized in civil and water resources engineering
- Available for relocation; willing to meet travel, and field work requirements

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## EXPOSURE OF RELATED AREAS OF EXPERTISE

- Agricultural Water Management
- Environmental Sustainability
- Water Monitoring
- Water Treatment and Reuse
- Surface & Groundwater Engineering
- Environmental Regulations
- Environmental Compliance
- Water Policies
- Groundwater Recharge
- Environmental Permits
- Water Resources Management
- Water Research and Development
- Environmental Inspection
- water-energy-food security nexus
- Water and wastewater Regulations

## PROFESSIONAL EXPERIENCE

**Project Manager (Water and Environment)**  
Trinus Engineering Inc., Toronto, ON - **Canada**

January 2015 - Present

- Writing project proposals and reports on different environmental and civil engineering subjects
- Presenting proposals to government, private sector or public interest groups
- Identifying and characterizing specific causes or sources of environmental pollution
- Developing or implementing standardized environmental monitoring and assessment methods
- Directing engineering activities to ensure compliance with safety and governmental regulations

**Editor-In-Chief (Part-Time)**

November 2014 - Present

United Nations University, Institute for Water, Environment and Health (UNU-INWEH), ON - **Canada**

Serve with the international organization as an Editor-In-Chief for the book entitled "Water, Energy, and Food Security Nexus in the Arab Region", the position is responsible to:

- Develop a detailed Table of Contents for the suggested book and identify potential authors for each chapter
- Solicit chapters from contributing authors, and related organizations
- Review the chapters and assign further editorial tasks to the editorial team
- Interface with the contributing authors to implement revisions indicated by the editorial team
- Compile and finalize all the revised chapter manuscripts into the final book draft and in print-ready form

**Project Engineer (Water)**

June 2013 – October 2014

Registration and Application Assessment (RAA) Unit, Environmental Approvals Access and Service Integration (EAASI) Branch, Ontario Ministry of the Environment and Climate Change (MOECC), Toronto, ON - **Canada**

Under the direction of the Supervisor, in a regulatory and approval-issuing organization, the position was responsible to:

- Reviewed and evaluated applications for approval of projects of municipal and private; and industrial sewage works that have known or predictable environmental impacts; coordinated comments related to the approval of these projects for their compliance with the Environmental Protection Act (EPA), Ontario Water Resources Act (OWRA), Safe Drinking Water Act (SDWA), Environmental Assessment Act (EAA), the Environmental Bill of Rights (EBR), and Ministry policies, guidelines and requirements
- Reviewed technical and engineering design documentations, scientific modeling reports, environmental impact assessment reports, environmental monitoring studies and detailed project implementation plans by applying appropriate scientific/environmental engineering principles to identify compliance with related legislation/regulation, Ministry policies, guidelines and requirements. When in non-compliance, identify areas of concerns, environmental mitigation and regulatory requirements

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- Prepared and edited correspondence, briefing notes, Minister's letters, information request letters, cancellation letters, presentation materials, engineering assessment reports, Environmental Compliance Approval (ECA) associated terms and conditions, and other program-related documents for streamlined reviews and approvals by the signing Director, under the legislation
- Provided program and technical support to Regional Ministry staff, legal Ministry staff, the Application Verification Unit and the Customer Service and Outreach Unit, and established effective working relationships with consultants and municipal representatives
- Acted as a duty officer, provided program and technical support, information and assistance to the public and to regional, legal and other Ministry staff
- When necessary/requested, assisted in the identification, development and implementation of streamlined approvals processes
- Assisted the Supervisor in implementing the Ministry's approvals program by chairing/attending meetings with applicants, consultants, staff from other branches, regions, government agencies and interested parties
- Served as a witness in court, public hearings and appeals

**Water Resources / Environmental Specialist**  
MAC Engineering Inc., Oakville, ON - Canada

December 2010 – May 2013

- Conducted / oversaw the conduct of, investigations on Environmental Assessment (Phase I, Phase II and Phase III), environmental compliance and different regulatory issues
- Audited energy and water for high rise buildings in Toronto, ON, Canada
- Designed energy efficient and environmentally sound structures
- Compiled data using geographic information system (GIS) or global position system (GPS) software
- Developed and Reviewed stormwater management solutions such as infiltration trenches, grassed swales, pervious pipe systems and soakaway pits to improve effectiveness and decrease costs

**Water Resources Expert**

The Department of Agricultural and Water Research, Doha, Qatar

February 2002 – June 2010

- Proposed, prepared Terms of Reference, planned, implemented and managed a broad spectrum of water resources, hydrology, environmental conservation and agricultural development projects throughout Qatar
- Represented the Department of Water and liaised with other government units through involvement with committees and working groups formed to handle Environmental Assessments, Environmental Compliance, Well Licensing, Permit to Take Water, Water Spills Approval Issuances and Special Studies
- Worked with various government units to advise and develop solutions for water management issues
- Developed and managed a \$2.25 million US project to study the natural and artificial recharge of groundwater aquifers and obtain information on groundwater occurrence, quality, recharge quantities and groundwater use throughout the country
- Supervised, studied feasibility, evaluated environmental impacts and ensured environmental compliance of a \$12.2 Million US project to recharge groundwater aquifers with 60 million m<sup>3</sup> of treated sewage effluent
- Reviewed and evaluated mid and final project reports submitted by contractors
- Prepared reports, briefing notes and presentations for the Minister of Environment and other stakeholders including Head of the Environmental Protection and Compliance Sector, Director of the Water Department, Chairman of the Water Resources Committee, Head of the Farms and Wells Committee, etc.
- Served as a member of the Qatar National Committee for EIA report evaluation from 2002 till 2010
- Participated as a formal representative in the preparatory discussions to establish ConocoPhillips' Global Water Sustainability Center in Qatar and Qatar National Food Security Programme (QNFSP) in Qatar

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- Served as a member of the Technical Advisory Team (team of three experts) for the Permanent Water Resources Committee (PWRC) of the State of Qatar from April 2004 to October 2007. This team was the owner representative during the formulation of the 2007 Water Resources Strategy for the State of Qatar
- Participated in the formulation of the National Water Resources Management and Development Strategy (NWRMDS) for the State of Qatar, Qatar National Vision, QNV, 2030, Qatar Groundwater Management Strategy, Qatar groundwater recharge and Qatar Treated Sewage Effluent Re-use, Qatar Gas To Liquid water by-product studies for re-use
- Technical reviewer for proposals submitted to Qatar National Research Fund, Qatar Foundation
- Designed and led a national hydro-meteorological telemetric and manual monitoring network to monitor groundwater level, water quality, water temperature and rainfall, and evaluate aquifer recharge by rainfall
- Studied direct and indirect parameters affecting groundwater hydrology and the environment including recharge, abstraction, water pollution, seawater intrusion and water rising from lower strata
- Provided water management and groundwater level data to internal and external clients and stakeholders including different governmental bodies, consultants, international organizations and the cabinet
- Awarded groundwater permits and supervised permit activities to ensure regulatory compliance
- Conducted a study to identify the impacts of using treated sewage effluent in irrigation on groundwater aquifers, which led to the implementation of new practices that minimize harmful effects and improve the re-use of treated sewage effluent in agriculture to reach 100% of the available quantity in 5 years
- Formulated a National Groundwater Resources Management and Development Policy Framework to serve as the foundation for Qatar's National Vision 2030 Water Resources Plan
- Reviewed and provided technical input into stormwater management plans, Permits to Take and Dump Water and other technical reports related to development applications to ensure regulatory compliance

### **Senior Project Engineer (Part-Time)**

January 2000 – January 2002

The Egyptian Environmental Affairs Agency (EEAA), Cairo, Egypt

- Reviewed design drawings and supervised construction activities of a \$5.26 million US, Engineered Wetland Project at Lake Manzala, designed to treat 25,000 to 50,000m<sup>3</sup> of sewage/day before entering the Mediterranean Sea. This was considered a pioneer project for the Middle East and North Africa

### **Senior Researcher (Water Management)**

August 1994 – January 2002

National Water Research Centre (NWRC), Ministry of Water Resources and Irrigation, Cairo, Egypt

- Managed a 20 person staff team of professionals and technicians and managed annual budgets of approximately \$250,000 US for the Water Management and Water Loss Departments
- Ensured work plans, safe operating procedures and training were in place and consistent with the corporate professional direction of NWRC
- Spearheaded the launch and ongoing management of a \$2 Million US flood forecasting and warning system project to develop and test an integrated hydrologic forecasting methodology that resulted in Nile River water conservation, reduced flood damage and improved public safety during heavy rainfall events
- Designed, installed, operated and maintained stream, meteorological, groundwater, and surface water quality and quantity monitoring networks to monitor surface water and groundwater resources
- Designed and supervised the execution of water control structures and distribution systems including open channels and closed conduits for a 160,000 ha, \$300 million US national land reclamation project and was awarded a Commemorative Medal in appreciation of my accomplishments on this project
- Developed flood forecasting models to improve water distribution efficiency along the Nile system using theoretical approaches and practical applications including historical data; and existing models
- Provided direction to Engineers and Technicians on the operation of Nile River water control structures such as barrages, for flow management purposes

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## Researcher (Water Management)

December 1990 – July 1992

National Water Research Centre (NWRC), Ministry of Water Resources and Irrigation, Cairo, Egypt

- Researched potential improvements for water distribution network flexibility using pipelines, off-stream and on-stream water storage; and potential reduction of water losses from various micro and macro water resource systems through the use of pipeline systems as an alternative in order to reduce water loss by 40%
- Conducted pipe flow measurements, surface water flow measurements, stream profiling, and hydrograph analysis using pipe flow meters, current meters, ultrasonic flow meters, stream flow gauges, water level recorders and Excel worksheets
- Operated as a field project engineer responsible for checking design, operation, repair and maintenance of a 350 litre per second pipeline for a low pressure water pipeline performance project

## OTHER POSITIONS

### Design and Construction Engineer

October 1987 – November 1990

## FORMAL EDUCATION

- **Sustainability and Energy Program**, Humber College, Toronto, ON July 2012 – November 2012
- **Ph. D.**, Water Resources Management, Cairo University-Egypt, from May 1995 to July 1999
- **M. Sc.**, Civil Eng. and the Environment, University of Southampton-UK, from August 1992 to July 1994
- **B. Eng.**, Civil Engineering, Cairo University-Egypt, from October 1982 to July 1987

## SELECTED EXAMPLES OF PROFESSIONAL DEVELOPMENT/CONTINUOUS LEARNING

- November 2014: Online Diploma Courses in Practising Sustainable Development (online course)
- July 2014: The Age of Sustainable Development, Columbia University (online course)
- April 2014: Introduction to Sustainability, University of Illinois at Urbana-Champaign (online course)
- December 2013: Global Sustainable Energy, University of Florida (online course)
- August 2013: Sustainable Agricultural Land Management, University of Florida (online course)
- April 2012: The Science of Climate Change - Carbon Footprint Analyst Certificate (online course)
- Attended a course titled “Project Management Professional (PMP) Certification Preparation” from April 29, 2013 to May 04, 2013, organized by Project Metrics Solutions Inc.
- Attended the Pathways into Sustainability Program from July 2012 to November 2012 by Humber College, Toronto, ON  
It is a one semester academic curriculum by the Humber Institute of Technology and Advanced Learning to upgrade skills and knowledge in Project Management Professional (PMP), Microsoft Project, Leadership in Energy and Environmental Design (LEED) and Greenhouse Gas Inventory Quantification (GHG-IQ)
- Attended an online course titled “InSite - Pass the PMP Exam 4th Edition” from May 8 to May 15, 2012, organized by Velociteach.
- Attended an online certified course titled “The Science of Climate Change as a part of Carbon Footprint Analyst Certificate” April 20, 2012, organized by Green College Online.
- Completed an academic course titled “Introduction to Environmental Engineering - Classroom and Laboratory” from January to May, 2010, organized by Professor Ahmed Abdel Wahab, Chemical Engineering Department, Texas A&M University at Qatar, Doha, the State of Qatar.
- Completed a training course on “GEMS Application” at April 7, 2009, organized by Urban Planning & Development Authority, the Centre for GIS, Doha, the State of Qatar.
- Completed a training course on “Learning GIS using ArcGIS” from April 5 to 6, 2009, organized by Urban Planning & Development Authority, the Centre for GIS, Doha, the State of Qatar.

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- Participated in the learning course on “**How to Use Remote Sensing to Improve Water Management**” at March 18, 2009, organized by the Arab Water Council and the National Aeronautics and Space Administration (NASA), during the 5<sup>th</sup> World Water Forum, Istanbul, **Turkey**.
- Completed a training course on **Water Quality Data Management & Modeling (AquaChem)** from October 21 to 23, 2008, organized by Schlumberger Water Services (SWS), Doha, **the State of Qatar**.
- Completed a training course on **Hydro Manager (HM)** from October 12 to 14, 2008, organized by Schlumberger Water Services (SWS), Doha, **the State of Qatar**.
- Completed a training course on **HydroGeo Analyst (HGA)** from June 22 to 26, 2008, organized by Schlumberger Water Services (SWS), Doha, **the State of Qatar**.
- Completed a training course on Environmental Chemistry-II from March 4 to 6, 2007, organized by The Mary Kay O’ Connor Process Safety Center, Texas A&M University at Qatar, **Qatar**. This training is equivalent to 1.2 Continuing Education Units (CEUs) and Professional Development Hours (PDHs).
- Completed a training course on Environmental Chemistry-I from November 13 to 15, 2006, organized by The Mary Kay O’ Connor Process Safety Center, Texas A&M University at Qatar, **Qatar**. This training is equivalent to 1.2 Continuing Education Units (CEUs) and Professional Development Hours (PDHs).
- Attended a training workshop on Integrated Environmental Assessment and Reporting, organized by the Supreme Council of Environment and Natural Reserves (SCENR), 28-30 August 2006, Doha, **Qatar**.
- Completed a training program on Water Management from May 23 to June 5, 2001, organized by the Korea Agricultural and Rural Infrastructure Cooperation Agency of the Republic of **South Korea**.
- Attended a training course in Environmental Systems Research Institute (ESRI), Inc., titled "Introduction to Arc Info" held in Cairo, **Egypt**, from October 15 to October 19, 2000.
- Attended a training course in Environmental Systems Research Institute (ESRI), Inc., titled "Introduction to Arc View" held in Cairo, **Egypt**, from September 23 to September 25, 2000.
- Attended a professional training course titled "Environmental Impact Assessment and Environmental Auditing" (3 credit hours), American University in Cairo, **Egypt**, from February to June 2000 with grade A (Excellent)
- Attended a professional training course titled "Environmental Management Systems" (3 credit hours), American University in Cairo, **Egypt**, from February to June 2000 with grade A (Excellent)
- Attended a Short Course titled "Wadi Hydrology in Desert Areas" which was held in Cairo, **Egypt** from October 10 to 12, 1999
- Attended a regional workshop titled "Mediterranean Water Resources: Major Challenges towards the 21<sup>st</sup> century" which was held from 1 to 5 March 1999 in Cairo, **Egypt**.
- Attended a workshop on "Climate Change Primer" as building capacity for Egypt to respond to UNFCCC communication obligation which was held from 19 to 20 February 1997 in Cairo, **Egypt**.
- Attended a Regional Short Course titled "Hydraulic Engineering for Rain Water Harvesting in Arid and Semi – Arid Environment" held in Cairo, **Egypt** from September 6 to 19, 1997.
- Attended a training course in ISMES S.p.A., **Italy** about rainfall forecasting techniques from June 15 to August 8, 1996 (Part of the Ph.D. studies. (No certificate is available)
- Attended a short course on fertigation and its environmental effect on soil properties held in Beirut, **Lebanon** from November 26 to December 3, 1995.
- Participated in a regional training course on Scheme Water Information System (FAO-SIMIS) held at the training center of **Egypt**, from 12 to 21 November 1995.
- Attended the short course of Performance Assessment and Computer Applications for Irrigation and Drainage Systems held in The National Water Research Center, Cairo, **Egypt** from January 21 - January 26, 1995.
- Participated in a technical tour for studying the German experience in Water Management, **Germany** from November 26 to November 30, 1994. (No certificate is available)

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- Took part in the entire program of the 5<sup>th</sup> Course on Appropriate Modernization and Management of Irrigation Systems held in the International Institute for Infrastructures, Hydraulic and Environmental Engineering (IHE), Delft, **The Netherlands** from November 8 - December 2, 1994.
- Participated in the course of Computer Aided Design of Civil Engineering Structures, held in The Department of Engineering, The American University in Cairo, **Egypt** during the period from June 27 - July 5, 1994.
- Completed a course of instruction in Irrigation Engineering from October 1992 to November 1993 provided by the British Government in **United Kingdom** as part of its Technical Co-Operation Training arrangements.
- Undertook a project work with the Overseas Development Unit, the Hydraulics Research (HR) Wallingford Ltd., Wallingford, Oxfordshire, **United Kingdom** from June - November, 1993 during which time the studies included: review of existing software for the management and design of his pressure pipe irrigation systems, assessment of needs for such software based on analysis of performance studies from Mansouria, Egypt and presentation of findings with an outline specification in a report prepared in partial fulfillment of the requirements for an M.Sc. at IIS, Southampton.
- Attended a Groundwater Modeling Course at the Hydraulics Research (HR) Wallingford Ltd., Wallingford, Oxfordshire, **United Kingdom** from September 27 - October 1, 1993.
- Participated in a technical tour for studying the Greek water management experience in Thessalonica, **Greece**, from May 8 to May 22, 1993.
- Attended a 4-week pre-session course in English for Academic Purposes, administrated by the University of Southampton, **United Kingdom** from August 31 to September 28, 1992.
- Attended the preliminary courses for M. Sc. degree in the Faculty of Engineering, Cairo University, from October 1991 to May 1992, Cairo, **Egypt**. (No certificate is available),

### **PROFESSIONAL AFFILIATIONS**

- **Professional Engineer, P.Eng.**, #100168252, Professional Engineers Ontario (PEO), Canada
- **Member**, #56192, Canadian Water Resources Association (CWRA), Canadian Society for Hydrological Sciences (CSHS), and Canadian National Committee on Irrigation and Drainage (CNCID), Canada
- **Member**, #1111411, Project Management Institute (PMI), USA
- **Member**, #200627005, Water Science & Technology Association (WSTA), Kingdom of Bahrain
- **Founding Member**, Arabian Peninsula Environment Network (APEN), UNESCO, UN
- **Member**, Egyptian National Commission on Hydrology, Cairo, Egypt
- **Member**, Egyptian National Committee on Irrigation and Drainage (EGCID), Cairo, Egypt
- **Member**, the Nile Basin Water Professionals Grid, Cairo, Egypt
- **Member**, #154/14, the Egyptian Engineering Syndicate, Cairo, Egypt

### **SELECTED EXAMPLE OF HONORS, AWARDS AND LETTERS OF RECOGNITION**

- A letter of thanks, January 2, 2012, from the Assistant Director of Institute for Water, Environment & Health (UNU-INWEH), United Nations University, Hamilton, Ontario, Canada, for the contribution to the report "Managing the growing impacts of development on fragile coastal and marine ecosystems: Lessons from the Gulf".  
[http://www.inweh.unu.edu/Coastal/Publications/Policyreport\\_LessonsfromtheGulf.pdf](http://www.inweh.unu.edu/Coastal/Publications/Policyreport_LessonsfromtheGulf.pdf)
- A certificate of recognition from His Excellency the Deputy Minister of Environment, Doha, **Qatar** for achieving the project titled "Studying and Developing the Natural and Artificial Recharge of the Groundwater Aquifer in the State of Qatar", June 2010.
- A certificate of recognition from His Excellency the Minister of Environment, Doha, **Qatar** for contributions in the World Water Day and the GCC Water Week, March 2010.

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- A certificate of contribution from Schlumberger Water Services (SWS) for the excellent contribution in the SWS training course "HydroGeo Analyst (HGA)" as an assistant instructor. The course was held on Doha, the State of Qatar from June 22 to 26, 2008.
- A letter of thanks and appreciation, June 1, 2008, from the Acting Director of Water Resources Department, Chairman of the Workshop Organizing Committee, Manama, Kingdom of Bahrain, for the participation as a distinguished speaker with a paper titled "From Fully Natural to Fully Artificial Groundwater Recharge: Qatar Experience" in the Regional Workshop titled "Aquifer Storage and Recovery" that was held in the Kingdom of Bahrain on 26 May 2008.
- A certificate of recognition from the Department of Agricultural Research and Development Director, Doha, **Qatar** for contributions in the World Water Day and the GCC Water Week, March 2008.
- A letter of recognition, dated November 15, 2008, from the Director of the Department of Agricultural and Water Research, Doha, **Qatar**, for issuing the book titled "Policy Perspectives for Ecosystem and Water Management in the Arabian Peninsula".
- A letter of thanks and recognition, February 16, 2005, from the Director of the Department of Water Science, Kuwait Institute for Scientific Research (KISR), Kuwait for the participation as a speaker in the seminar titled "Artificial Groundwater Recharge: A Step towards Water Security" that was held in Kuwait Institute for Scientific Research (KISR), **Kuwait**, from 15 to 16 February 2005.
- A certificate of recognition from the Director of the Department of Agricultural and Water Research for contributions in the fifth scientific workshop for Agricultural and Water Research, Doha, **Qatar**, from May 10 to 12, 2004.
- A certificate of recognition from His Excellency the Minister of Commerce for contributions as a conference speaker in Water Middle East 2003, International Exhibition & Water Technology Conference that was held from 6 to 8 October 2003 in Bahrain International Exhibition Center, **Kingdom of Bahrain**.
- A certificate of appreciation from the Director of the Department of Agricultural and Water Research for contributions in the fourth scientific workshop for Agricultural and Water Research, Doha, **Qatar**, from May 11 to 13, 2003.
- Awarded a commemorative medal from His Excellency the Minister of Public Works and Water Resources, **Egypt** in appreciation of the efforts exerted in completion of Suez Canal Siphon and opening water to Sinai in November 1997.
- Held a British Government Technical Co-operation Training award, Administrated by the British Council on behalf of the Overseas Developing Administration (ODA), from August 1992 for 13 months for studying M. Sc. at the University of Southampton, **United Kingdom**.
- Cairo University distinction scholarship, 1982, 1986, **Egypt**.

### **CONFERENCES, SEMINARS AND WORKSHOPS (SPEAKER, PRESENTER AND ATTENDENT):**

- Participated as a member of the formal Qatari delegation in the 5<sup>th</sup> World Water Forum that was held in Istanbul, Turkey from 16 to 22 March 2009.
- Participated as a speaker in the Second Seminar of Qatar National Vision 2030 with a background paper titled "Water and Human Development in Qatar: Challenges and Opportunities" that was hosted by the General Secretariat of Development Planning, Doha, Qatar on 27 January, 2009.
- Participated in the 3<sup>rd</sup> International Conference on Water Resources and Arid Environment 2008 and the 1<sup>st</sup> Arab Water Forum, with a paper titled "Qatar Groundwater Resources Information System (QaGWRIS)". It was held at the King Fahd Cultural Center Riyadh, Saudi Arabia, from 16 to 19 November 2008.
- Participated in the Arab Water Academy Workshop titled "Building Human Capacity for Water and Water Capacity for People" that was hosted by the Arab Water Council, Environment Agency of Abu Dhabi, Islamic Development Bank in Abu Dhabi, UAE, from 6 to 8 July, 2008.



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- Participated as a distinguished speaker with a presentation titled “From Fully Natural to Fully Artificial Groundwater Recharge: Qatar Experience” in the regional workshop titled "Aquifer Storage and Recovery" that was held in the Kingdom of Bahrain on 26 May 2008.
- Participated as a speaker with a presentation titled “Water Resource Policy in the Gulf Co-operation Council (GCC) Countries, Current Policies, and their Implications in the Future” in the regional workshop titled "Bridging the Gap between Water Science and Policy Making" that was hosted by the American University of Kuwait in Kuwait from 28 to 29 April, 2008.
- Participated as a speaker with a paper titled "State of Groundwater Resources in Qatar” in a Special Workshop entitled: "Groundwater as a Main Water Source for Agriculture in Qatar". It was held on May 22, 2007 in Lecture Hall A, Liberal Arts and Sciences (LAS) Building, Education City on the campus of Texas A&M University at Qatar, by Texas A&M University at **Qatar**.
- Participated as a speaker with a paper titled "Cloud Seeding for Groundwater Resources Development in Qatar: Conceptual Approach" in the 1<sup>st</sup> joint QP-JCCP Environmental Symposium in Sustainable Development and Climate Change, 5-7 February 2007, Doha, **Qatar**.
- Participated in the “Strategic Environmental Assessment Workshop”, organized by the Supreme Council of Environment and Natural Reserves (SCENR), 16-18 January 2007, Doha, **Qatar**.
- Manage the first, the second and the third workshop on “Building the National Water Resources Management and Development Strategy in the state of Qatar”, from August 2006 to June 2007, Doha, **Qatar**.
- Participated as a speaker with a paper titled "Artificial Recharge of Groundwater, Qatar Experience” in the Artificial Recharge and Water Treatment for Sustainable Groundwater Development Workshop that was held in Muscat, **Oman** in the period 12-13 December 2006.
- Attended the “Environmental Degradation and Compensation Workshop”, Organized by the Supreme Council of Environment and Natural Reserves (SCENR), the University of Warwick, and Industrial Economic incorporated, 15-16 November 2006, Doha, **Qatar**.
- Attended the “ Water Management in the State of Qatar Workshop”, Organized by the University of Qatar, ConocoPhillips and Planning Council, 6-7 November 2006, Doha, **Qatar**.
- Attended the “Second Regional Conference and Exhibition on Wastewater Management, 27 April 2006, Doha, **Qatar**.
- Participated in the “World Water Day 2006 Exhibition” organized by Qatar University, 21-23 March 2006, Doha, **Qatar**.
- Attended a workshop on "Monitoring and Management of Groundwater Resources" that held by the Department of Agricultural and Water Research in cooperation with Schlumberger Water Services, Doha, **Qatar**, 23<sup>rd</sup> March 2005.
- Participated as a speaker of the presentation titled "Artificial Recharge of Groundwater: Qatar Experience" in a seminar titled "Artificial Groundwater Recharge: A Step towards Water Security" that was held in Kuwait Institute for Scientific Research (KISR), **Kuwait**, from 15 to 16 February 2005.
- Participated as a lecturer about Groundwater Monitoring in Qatar in a short course titled "Environmental Monitoring" that was held by the Supreme Council for Environment and Natural Reserves, **Doha**, Qatar, from 3-5 January 2005.
- Participated as a presenter of the presentation titled "Groundwater Problems in Irrigation" in the workshop on "Groundwater Strategies in the Arabian Gulf Countries", that was held in Qatar University, **Doha**, Qatar, from 29-30 November 2004.
- Participated as a speaker in the fifth scientific workshop for Agricultural and Water Research, Doha, **Qatar**, from May 10 to 12, 2004. The paper’s title is “Determination of Seawater Intrusion Boundary within Groundwater Aquifer Using Br-:Cl- Ratio”, by Dr. Mohamed Kamber- Wafi, Dr. Kamel Mostafa Amer, Mr. Abdel Aziz Al-Karrani and Mr. Abdallah Mohamed Abdel Rab.
- Participated as a speaker in a workshop titled “Water Re-cycling is Water Saving and Water Rationalization” that was held in the University of Qatar, Doha, **Qatar**, from March 21 to 23, 2004. The lecture is titled “Water Resources management with Emphasis on Groundwater in Qatar”.

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- Participated as a conference speaker in Water Middle East 2003, International Exhibition & Water Technology Conference that was held from 6 to 8 October 2003 in Bahrain International Exhibition Center, **Kingdom of Bahrain**.
- Participated with a research paper in the second Gulf Regional Expert Meeting on Ecosystems and Water Constraints that was held in Muscat, **Oman**, from September 21 to 24, 2003. The paper's title is "The need for Desalination and Water Re-use as Non – Conventional Water Resources in the Arabian Peninsula", by Dr. Kamel Amer and Dr. Waleed Al- Zubari.
- Participated as a speaker in the fourth scientific workshop for Agricultural and Water Research, Doha, **Qatar**, from May 11 to 13, 2003. The paper's title is "Groundwater Quality Assessment for Irrigation purposes in the State of Qatar", by Dr. Mohamed Kamber- Wafi, Dr. Kamel Mostafa Amer, Mr. Abdel Aziz Al-Karrani and Mr. Abdallah Mohamed Abdel Rab.
- Participated as a speaker in a workshop titled "Water Problems in the Arab World", that was held in the Faculty of Science, University of Qatar, Doha, **Qatar**, November 4, 2002. The lecture is titled "Water Resources Issues with Special Emphasis on Qatar".
- Participated with a presentation in the first Gulf Regional Expert Meeting on Ecosystems and Water Constraints that was held in Dubai, **United Arab Emirates**, from October 27 to 28, 2002. The Presentation is titled "Water and Ecosystem, Topics in Qatar".
- Participated as an attendant in the third scientific workshop for Agricultural and Water Research, Doha, **Qatar** from May 12 to 14, 2002.
- Participated in a workshop titled "Water Conservation and Protection", that was held in Doha, **Qatar**, March 21, 2002 as a speaker. The lecture is titled "Sources of Water Pollution".
- Participated in the International Conference "Wadi Hydrology", which was held from 21 to 23 November 2000 in Sharm El-Sheikh, **Egypt**.
- Participated in a workshop on PODIUM (Policies Dialogue MODEL) of the International Water Management Institute (IWMI) as the Egyptian representative to study the country water vision and its scenarios by the year 2025, it was held at New Delhi, **India** 15-16 December 1999.
- Participated in the International Conference "Integrated Management of Water Resources in the 21<sup>st</sup> Century" which was held from 21 to 25 November 1999 in Cairo, **Egypt**.
- Attended a Sub-Regional Seminar on Irrigation and Water Management in North Africa which was held in Cairo, **Egypt** from October 14 to 16, 1999.
- Participated in the American Society of Civil Engineers (ASCE), Middle East Regional Conference and the 2<sup>nd</sup> International Symposium on Environment and Hydrology, which was held from 16 to 18 May 1999 in Cairo, **Egypt**.
- Attended The 16<sup>th</sup> International Congress on Irrigation and Drainage (ICID), Cairo **Egypt**, from September 15 to September 22, 1996.
- Participated in a workshop titled "Lake Naser Development: Horizons and Constraints", it was held at Aswan, **Egypt** from 28 to 29 October 1995 by The Ministry of Water Resources and Irrigation (MWRI), Egypt.
- Attended The 15<sup>th</sup> International Congress on Irrigation and Drainage (ICID), The Hague, **the Netherlands** from August 30 to September 11, 1993.

### **LIST OF PUBLICATIONS**

#### **Books**

- Amer, Kamel Mostafa, Zafar Adeel, Benno Böer, and Walid Saleh, 2015, "**Water-Energy-Food Security Nexus in the Arab Region**", United Nations University in cooperation with Doha UNESCO Office of the Gulf Arab Countries. This book will be published by Springer. Under Processing
- Amer, Kamel Mostafa, Zafar Adeel, Benno Böer, Michael C. Brook, Miguel Clüsener-Godt and Walid Saleh, 2006, "**Policy Perspectives for Ecosystem and Water Management in the Arabian Peninsula**",

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ISBN 92-808-6001-1, United Nations University in cooperation with Doha UNESCO Office of the Gulf Arab Countries.

- Allam, M. N., 2001, "**Water and Agricultural Land in Egypt, the Past, the Present and the Future**", In Arabic, El-Akademia Book Company, Giza, Egypt.
- Amer, K., 2000, "**Sprinkler Irrigation**", Training Materials for the Social Development Fund , Building the Basic Knowledge for Irrigated Agriculture, Recent Graduates Project, Water Management Research Institute (WMRI), El-Kalubia, El-Kanater El-Khayria, Egypt (In Arabic).

### **Chapters in Books**

- Amer, K. M., 2008, "Chapter 3: Groundwater resources sustainability in Qatar: problems and perspectives", In Bhattacharya, P., AL Ramanathan, Jochen Bundschuh, Arun B. Mukherjee, D. Chandrasekharam, A.K. Keshari (Editors), "Groundwater for Sustainable Development: Problems, Perspectives and Challenges", ISBN 0415407761, Taylor & Francis/Balkema, Leiden, The Netherlands, pp 25-37,
- Brook, Michael C., Saleh Al Shoukri, Kamel Mostafa Amer, Benno Böer and Friedhelm Krupp, 2006, "Chapter 1: Physical and Environmental Setting of the Arabian Peninsula and Surrounding Seas", In Amer, Kamel Mostafa, Benno Böer, Michael C. Brook, Zafar Adeel, Miguel Clüsener-Godt and Walid Saleh (Editors), "Policy Perspectives for Ecosystem and Water Management in the Arabian Peninsula", ISBN 92-808-6001-1, United Nations University in cooperation with Doha UNESCO Office of the Gulf Arab Countries, pp 1-16.
- Amer, Kamel Mostafa, Michael C. Brook and Hussein Ali Al-Zabidy, 2006, "Chapter 5: The Current Water Situation in Yemen – An Introduction", In Amer, Kamel Mostafa, Benno Böer, Michael C. Brook, Zafar Adeel, Miguel Clüsener-Godt and Walid Saleh (Editors), "Policy Perspectives for Ecosystem and Water Management in the Arabian Peninsula", ISBN 92-808-6001-1, United Nations University in cooperation with Doha UNESCO Office of the Gulf Arab Countries, pp 63-72.
- Amer, Kamel Mostafa, Waleed K. Al-Zubari, 2006, "Chapter 8: The Need For Desalination and Water Reuse as Non-Conventional Water Resources in the Arabian Peninsula", In Amer, Kamel Mostafa, Benno Böer, Michael C. Brook, Zafar Adeel, Miguel Clüsener-Godt and Walid Saleh (Editors), "Policy Perspectives for Ecosystem and Water Management in the Arabian Peninsula", ISBN 92-808-6001-1, United Nations University in cooperation with Doha UNESCO Office of the Gulf Arab Countries, pp 105-119.

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#### **Conferences Papers**

- Amer. K. M., Al-Mulla, A. H. and Al-Muraikhi, A. A., 2010, "Groundwater Recharge and Environmental Sustainability: Qatar's Experience", the 2<sup>nd</sup> Joint BCSR-JCCP Environment Symposium, the 18<sup>th</sup> GCC-JAPAN Environment Symposium Proceedings, Manamah, Kingdom of Bahrain, February 8-10.
- Amer, K., Abdel-Wahab, A., 2009, Water Resources in Qatar: Challenges and Opportunities. Background paper for GSDP and UNDP, Qatar Second Human Development Report: Achieving the Environmental Outcomes of the Qatar National Vision 2030. Doha.
- Debebe, A. and Amer. K. M. 2008, "Qatar Groundwater Resources Information System (QaGWRIS)", the 3<sup>rd</sup> International Conference on Water Resources and Arid Environment and the 1<sup>st</sup> Arab Water Forum Proceedings, The King Fahd Cultural Center Riyadh, Saudi Arabia, November 16-19

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- Amer, K. M., Al-Muraikhi, A. A. and Rashid, N., 2008, "Management of Coastal Aquifers - The Case of a Peninsula - State of Qatar", SWIM, 20<sup>th</sup> Salt Water Intrusion Meeting Proceedings, Page 241, Naples, Florida, USA, June 23-27.
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- Al-Mahmoud, A. M. and Amer, K. M. 2003, "Ground Water Resources Management and Development in the State of Qatar", Surface and Groundwater Special Session, WSTA 6<sup>th</sup> Gulf Water Conference, Riyadh, Kingdom of Saudi Arabia, 8-12 March, The Third Day Session, 3A/2 (In Arabic).
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- Studying and Developing the Natural and Artificial Recharge of the Groundwater Aquifer in the State of Qatar Project, Final Report, a report by Schlumberger Water Services (SWS) to the Department of Agricultural and Water Research, the Ministry of Environment, August 2009
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- Build a surface rainfall - runoff model to study the relation between rainfall runoff and recharge, Final Report, Studying and Developing the Natural and Artificial Recharge of the Groundwater Aquifer in the State of Qatar Project, a report by Schlumberger Water Services (SWS) to the Department of Agricultural and Water Research, the Ministry of Environment, August 2009
- Establishment of an Online Groundwater Geographic Information System, Final Report, Studying and Developing the Natural and Artificial Recharge of the Groundwater Aquifer in the State of Qatar Project, report by Schlumberger Water Services (SWS) to the Department of Agricultural and Water Research, the Ministry of Environment, August 2009
- Water Resources and Water Requirements in Qatar, Country Paper, a report to the 12<sup>th</sup> Arabic IHP meeting, Dubai, U.A.E., 06-08 November 2007 (In Arabic).
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- Water Resources Strategy Framework in the State of Qatar, a report to the Permanent Water Resources Committee, February, 2005.
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- Water Resources and Water Requirements in Qatar, Country Paper, a report to the 10<sup>th</sup> Arabic IHP meeting, Sharm Al-Sheikh, Egypt, 23-25 September 2003 (In Arabic).
- Design of a Spillway of El-Salaam Canal Extension at Km 86.5 Barrage", a report to the North Sinai Development Organization, Sinai, Egypt, 2001.
- Formulating proposal documents (both technical and financial) of the Monitoring and Evaluation Program of the Irrigation Improvement Projects (2001) and submitted to the World Bank and KfW with a total budget of 5 million L.E.
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