

CURRICULUM VITAE

**Mohsen M. Sherif,
Ph.D., C.Eng., D.WRE, M. ASCE, Fulbrighter**

- Name** : Mohsen M. Sherif
- Current Positions** : **Professor** of Water Resources, Civil and Environmental Eng. Dept.
Director, Office of Research and Sponsored Projects
Director, National Water Center
Acting Director, Emirates Center for Energy and Environment Research
UAE University, Al Ain, United Arab Emirates
- Mailing Address** : Research Office, Crescent Building, D4- First Floor, Room 1015
UAE University
P.O. Box: 15551, Al-Ain
United Arab Emirates
- Tel** : + 971 3 713 6597,
+ 971 50 763 8044 (mobile)
- Fax** : + 971 3 754 4288
- E-Mail** : msherif@uaeu.ac.au
- Languages** : Arabic (Mother Tongue), English (Excellent)
- Main Discipline** : Civil and Environmental Engineering/Water Resources
- Specialty** : Hydrogeology, Groundwater Flow and Contamination, Artificial Recharge and Management of Groundwater Systems, Hydrology, Hydraulics, Fluid Mechanics, Environmental Hydrology and Hydrogeology, Numerical Simulation, Climate Change, Water Resources Management, GIS and Remote Sensing Applications in Water Resources.
- Education** :
- Ph.D., Civil Engineering/Groundwater, Cairo University/Louisiana State University, Baton Rouge, Joint Program, 1988.
 - M.Sc., Civil Engineering/ Water Resources, Faculty of Engineering, Cairo University, 1983.
 - B.Sc., Construction/Civil Engineering, Faculty of Engineering, Cairo University, 1979.
- Employment Record** :
- 08/2017 – Date : Director, Office of Research and Sponsored Projects, UAE University
- 08/2016 – Date : Director, National Water Center, UAE University
- 08/2019 – Date : Acting Director, Emirates Center for Energy and Environment Research
- 09/2011 – 08/17 : Associate Provost for Academic Personnel/Director of Academic Personnel Office, UAE University, Al Ain.
- 09/2001 - Date : Professor, Civil and Environmental Engineering Department, College of Engineering, UAE University. Al Ain, United Arab Emirates.
- 08/2014 – 02/16: Acting Dean, College of Engineering, UAE University
- 08/2007 – 08/11 : Chairman, Civil and Environmental Engineering Department, College of Engineering, UAE University, Al Ain, UAE.
- 09/2003 – 08/11 : Director, Water Resources Master Program, UAE University, Al Ain, UAE.
- 11/97– 09/2001 : Research Scientist, Hydrology Department, Water Resources Division, Kuwait Institute

for Scientific Research, Kuwait.

01/97 – 07/1997 : Visiting Associate Professor, Civil and Environmental Engineering Department, Faculty of Engineering, Louisiana State University, Baton Rouge, Louisiana, USA.

02/93– 06/1998 : Associate Professor, Irrigation and Hydraulics Department, Faculty of Engineering, Cairo University, Egypt.

12/88 – 02/1993 : Assistant Professor, Irrigation and Hydraulics Department, Faculty of Engineering, Cairo University, Egypt.

07/85 – 12/1988 : Research Assistant, Civil and Environmental Engineering Department, Louisiana State University, Baton Rouge, Louisiana, USA.

06/83 – 07/1985 : Research and Teaching Assistant, Irrigation and Hydraulics Department, Faculty of Engineering, Cairo University.

10/79 – 06/1983 : Instructor, Irrigation and Hydraulics Department, Faculty of Engineering, Cairo University.

Computer Skills

a) Development of Computer Codes:

- 1– A Finite Element Model for Seawater Intrusion in Coastal Aquifers
- 2– A Finite Difference Model for Groundwater Flow and Pollution
- 3– Interactive Groundwater Flow Model

b) Groundwater Models

Professional user of SUTRA, Argus-One/GUI-SUTRA, FEFLOW, Visual MODFLOW, Visual Groundwater, MOC and HydroGeo Analyst.

c) Excellent working experiences with Microsoft Word, Power Point, Word Perfect, Excel, Winsurf, and good working experience with Visual Fortran, FrontPage, Auto-CAD, ARC-View and ARC-Info.

d) Professional user of educational and distant learning software, Blackboard Learning System, and Administrative Information and Management System, Banner 7 (attended several training courses).

Consultation Services:

1992 – 1994 : Consultant- **Environmental Quality International (EQI)**, Training Program, El-Mansour Mohamed, Cairo, Egypt.

1993 – 1997 : Conducted several short term consultation services for UNESCO, Cairo Office

1994 – 1997 : Consultant - Research Institute for Water Resources, National Water Research Center, El-Qanater El-Kheriaa, Cairo.

1995 – 1997 : Consultant - Research Institute for Groundwater, National Water Research Center, El-Qanater El-Kheriaa, Cairo.

1994 – 1997 : Consultant, **IWACO B.V.**, Consultants for Water and Environment, **Rotterdam, Netherlands.**

2004 – 2006 : Consultant, SCHLUMBERGER Water Services, Groundwater recharge project, Abu Dhabi, UAE.

2008 – 2014 : Consultant, Ministry of Environment and Water, Dubai.

Mar – Sep 2010: Consultation service on "Assessment of Probable Maximum Precipitation and Field

Investigation and Testing at the Proposed Site of a Nuclear Power Plant in UAE", Paul C. Rizzo Associates, Inc, USA.
2012 – 2014 : Consultation service on "Groundwater Dewatering in Abu Dhabi, UAE", Paul C. Rizzo Associates, Inc, USA.

May – Dec 2015 : Consultant, National Center of Meteorology and Seismology,
Ministry of Presidential Affairs, United Arab Emirates.

Teaching and Research Experiences

a) Teaching Experience

- Tutoring Hydraulics and Hydrogeology, Cairo University, (79 - 86).
- Tutoring Groundwater and Hydrogeology at **Louisiana State University, U.S.A.**, (86 - 88).
- Lecturing Undergraduate Courses of Groundwater, Hydrogeology, Fluid Mechanics, Hydraulics, Cairo University, (88 -97).
- Lecturing Undergraduate Courses of Fluid Mechanics and Hydraulics at Fayom University, Egypt, (89 - 91).
- Lecturing Undergraduate Courses in Hydraulics and Groundwater at Helwan University, Egypt, (90 - 92).
- Development and Lecturing of Laboratory Courses on Hydraulics, Fluid Mechanics, and Groundwater at Cairo University (93-97)
- Lecturing Postgraduate Courses in Water Resources, Hydrology, Groundwater Flow and Pollution, and Environmental Hydrogeology at Cairo University (88 - 96).
- Lecturing Groundwater Pollution and Saltwater Intrusion in the International Course on **Environmental Hydrology in Arid Areas**, organized by the National Committee for the **IHP, UNESCO**, held in DRTPC, Cairo University, May - June, 88 - 97, (every year during the period 1988 to 1997).
- Lecturing the following undergraduate and graduate courses, College of Engineering, United Arab Emirates University (September 2001- Date):
 - 1- Water Resources – CIVL 325
 - 2- Fluid Mechanics- GENG 340
 - 3- Fluid Mechanics for Civil and Architecture Engineers- CIVL 345
 - 4- Special Topics in Water Resources – CIVIL 520
 - 5- Graduation Project I – CIVL 585
 - 6- Graduation Project II - CIVL 590
 - 7- Math and Engineering Applications IV (Numerical Methods)- MATH 3702
 - 8- Water Resources, Graduate level – WATR 601
 - 9- Fluid Mechanics, WATR 602- Graduate level
 - 10- Groundwater Contamination, Graduate level – WATR 620
 - 11- Simulation in Groundwater, Graduate level – WATR 621
 - 12- Graduate Seminar – WATR 603
 - 13- Special Topics in Water Resources, Graduate level – WATR 631
 - 14- Independent Studies in Water Resources, Graduate level WATR 632
 - 15- Thesis Supervision- WATR 640

b) Research Experience

- Research Assistant, "Coastal Protection Project", Cairo University/Massachusetts Institutes of Technology (MIT), Technological Planning Program, Cairo University, (80 – 83).
- Research Assistant, "Hydrogeological Studies in the Nile Delta Area", Cairo University/ Massachusetts Institutes of Technology (MIT), Technological Planning Program, Cairo

University, (84 – 87).

- Research Associate, "Effect of Groundwater on Greater Cairo Antiques", DRTPC, Cairo University, (91 – 93).
- Research Associate, "Water Resources Evaluation in Egypt", A. Kamel off., Cairo (92 – 93).
- Research Associate, "The Gain and Loss along the Nile River Down Stream of High Aswan Dam: Groundwater Interaction with the Nile River", Cairo University, (93 – 96).
- Research Associate, "Development of Water Resources in Wadi Watir, Sinai", Research Institute for Water Resources, National Water Research Center, Ministry of Public Works and Water Resources, (94 – 97).
- Research Associate, "Groundwater Scheme in Egypt", International Institute for Applied Systems & Analysis, Laxenborg, Austria, 1994.
- Researcher, "Sinai Water Resources Study–The Consolidation Project", Commission of the European Union, Athens, 1994.
- Researcher, "Environmental Management of Groundwater Resources EMGR- Artificial Recharge program", RIGW-IWACO (94 - 96).
- Researcher, "Development of the Hydrogeological Map of Sinai, Egypt", Research Institute for Water Resources, National Water Research Center, Ministry of Public Works and Water Resources (95 – 97).
- Principal Investigator, "Assessment of the Impacts of the Oxidation Ponds on the Domestic Wells in Al-Sadat City", Ministry of State for New Urban Communities, 1996.
- Researcher, "Impact of Climate Variability on Agro-Ecosystems and Water Resources in Drylands", European Community Research Programme, International Cooperation with Developing Countries (96 – 97).
- Principle Researcher/Acting Project Leader, "Study, Design and Construction of a Pilot Groundwater Drainage Project, Long -Term Operation, Monitoring and Assessment of the Drainage System at Shamiyah and Kaifan", Kuwait Institute for Scientific Research, Kuwait (Nov. 97 – June 2000).
- Principal Researcher/Acting Project Leader, "Evaluation of Current Groundwater Conditions in Al-Wafra and Al-Abdally Farm Areas", Kuwait Institute for Scientific Research, Kuwait (April 98 – June 99).
- Principal Investigator, "Treatment and Storage of Conventionally Treated Wastewater in Aquifers", Kuwait Institute for Scientific Research, Kuwait (April 99 – August 2001).
- Principal Investigator, "Assessment of the Impacts of Climate Changes on Groundwater Quality in Coastal Aquifers", Research Affairs, UAE University, 2002-2003.
- Project Leader, "Assessment of the Effectiveness of Al Bih, Al Tawiyean and Ham Dams in Groundwater Recharge Using Numerical Models", Externally Funded Project- Ministry of Agriculture and Fisheries, (March 2003 – June 2005).
- Project Leader, "Management of Groundwater Resources in Two Selected Coastal Aquifers of UAE and Oman", GCC Collaborative Research Project, UAEU/SQU, (March 2003- February 2006).
- Project Leader, Development of a Neuro-Fuzzy Decision Support System for Water Resources Management: Phase One: Framework", Schlumberger Water Services, Abu Dhabi, (January -November 2007).
- Project Leader, Development of a GIS-Based Demand Supply Model as a Decision Support System for Water Resources Management in the Emirate of Abu Dhabi, Schlumberger

Water Services, Abu Dhabi, January 2008 – February 2009.

- Project Leader, Development and Updating a GIS Water Resources Database, Ministry of Environment and Water, Dubai, October 2008 – January 2009.
- Project leader, Assessment of Groundwater Resources and Survey of Wells, Ministry of Environment and Water, Dubai, 2011-2015.
- Project leader, Evaluation of the ASR System and Testing of capacity Expansion, Sharjah Electricity and Water Authority, SEWA, June 2013 – October 2014.
- Project leader, Capability Building in the Area of Groundwater Hydrogeology and Digital Modeling and Survey of Wells by Differential GPS, Environmental Agency of Abu Dhabi, October 2017- September 2019.

c) Internal and External Research Funds after joining UAE University

The following table elaborates the type and level of the secured funds after joining UAE University in September 2001. Research funds secured before joining UAE University and unfunded research is not included in this Table.

Project title	Date	Fund Dirhams	Type of fund	Status
Assessment of the Impacts of Climate Changes on Groundwater Quality in Coastal Aquifers	2002-03	30,000	Internal UAEU	Completed
Assessment of the Effectiveness of Al Bih, Al Tawiyean and Ham Dams in Groundwater Recharge using Numerical Models	2003 -05	736,000	External MWRCC	Completed
Management of Groundwater Resources in Two Selected Coastal Aquifers of UAE and Oman	2003 - 06	576,000	Internal UAEU	Completed
Artificial Groundwater Recharge using Desalinated Water: Feasibility Study	2004 - 05	150,000	External	Completed
Development of a Neuro-Fuzzy Decision Support System for Water Resources Management: Phase One: Framework	Jan – Nov. 2007	400,000	External	Completed
Development of a GIS database for Water Resources Management in Ajman Emirate, UAE	2006 - 08	30,000	Internal	Completed
Development of a GIS-Based Demand Supply Model as a Decision Support System for Water Resources Management in the Emirate of Abu Dhabi	2008 - 09	400,000	External	Completed
Development and Updating a GIS Water Resources Database, Ministry of Environment and Water, Dubai	2008 - 09	1,932,000	External	Completed
Utilization of Hyper-saline Well Water and Salt Affected Lands in Animal Protein Production from Fish and Sheep, Co-PI	2009 -11	200,000	Internal	Completed
Seawater intrusion and the effects on groundwater quality and desalination processes considering the effect of climate change and sea level rise”, A Research Project conducted in collaboration between, University of Exeter-UK, UAE University and University of Sharjah and funded by the British Council, UK.	2009 - 2012	280,000	External	Completed
Establishment of a Water and Environment Center of Excellence, WECE. – Proposal ranked first among 18 th other proposals to establish centers.	2011 - 2015	37,500,000	External NRF	Approved/ fund not provided
Hydraulic Analysis and Leakage Assessment in Selected Zones of Al Ain Water Distribution Network	2010 -11	20,000	Internal	Completed
Reassessment of PMP and PMF at the proposed site of a Nuclear Power Plant in UAE	March– Aug. 2010	246,100	External	Completed

Estimating Water Storage in Depressions and using GIS and RS in the Vicinity of the Nuclear Power Plant in UAE	August – Oct. 2010	260,000	External	Completed
A Novel Approach for Freshwater Recharge and Recovery in Saline Aquifers; Phase one: Feasibility Study, Theoretical and Mathematical Development	Jan. 2011 – Feb. 12	250,000	Internal	Completed
Effective Control Seawater Intrusion by Optimal Combination of Abstraction, Desalination and Recharge- Proposal funded by the British Council, UK.	Jan- Dec. 2013	180,000	External	Completed
Assessment of Groundwater Resources and Survey of Wells	July 2011 –Mar 15	2,250,000	External MEW	Completed
A Novel Approach for Freshwater Recharge and Recovery in Saline Aquifers; Phase Two: Assessment of ASR Practices and Numerical Simulation	Mar 12- Feb 13	250,000	Internal	Completed
Evaluation of the ASR System and Testing of Capacity Expansion	June 13 – Oct 14–	240,000	External SEWA	Completed
Geotechnical, Geophysical, and Hydrogeological Investigation, Abu Dhabi	Jan – Dec 2014	380,000	External ADM	completed
Capability Building in the Area of Groundwater Hydrogeology and Digital Modeling and Survey of Wells by Differential GPS	Oct. 17 – Sep. 19	928,000	External EAD	Completed
Development of a Telemetry Groundwater Monitoring Network for the Emirate of Ajman	Sep. 18 – Nov. 19	1,050,000 Ajman M	External	Completed
Review of the Current Status of Climate Change Modeling in UAE and the Region	Oct. 18 – March 19	275,650 MCCA	External	Completed
Injection Wells and Aquifer Recharge Study	Aug. 18 – Oct. 19	890,400	External	Completed
Specialized Studies for Water Pond Recreational Park development in Khalifa City, Mohamed Bin Zayed City, and West Bani Yas	Nov. 18- Dec. 19	951,600	External	On-going
Oil and Gas Produced Water In Abu Dhabi Emirate: Assessment, Treatment And Reuse	Oct. 19- June 20	945,000	External	On-going
Integrated Management Concepts for Sustainability of Public Urban Greenery in Al Ain city	Nov. 19- Dec. 20	548,500	External	On-going

d) Organization and Delivery of Training Courses:

- Training Course on “Open Channel Flow”, Civil Engineers, Ministry of Public Work and Water Resources, Cairo, Egypt, Oct - Nov. 1989.
- Training Course on “Groundwater Hydrology”, Civil Engineering Group, General Department of Hydrology, Yemen, Sept. 19 - Nov. 12, 1992.
- Training Course on “Hydraulic Similarity and Models”, Hydraulic Research Institute, NWRC, Cairo, Egypt, October 1993.
- Training Course on “Using Numerical Methods in Modeling Groundwater Flow and Pollution”, Research Institute for Groundwater, NWRC, Cairo, Egypt, (94 – 95).
- Assisted in the Organization of the International Training Course on “Environmental Hydrology in Arid Regions”, IHP/UNESCO- Cairo Office, (92 – 97 every year).
- International Training Course on “Groundwater Problems in Arid Environments: Assessment and Modeling”, Kuwait Institute for Scientific Research, Kuwait, (April 1999 and February 2000).
- Summer Training for Undergraduate Students from the GCC Universities at the Kuwait Institute for Scientific Research (July-August 1998 through 2001).

- Training Course on "Drainage Systems in Residential Areas", Ministry of Electricity and Water, Kuwait (20-24 May 2000).
- Training Course on "Numerical Simulation of Groundwater Resources using SUTRA-GUI", Ministry of Agriculture and Fisheries, Dubai, UAE, 21-25 June 2003.
- Workshop on Groundwater Management in Coastal Aquifers, Sultan Qaboos University, Muscat, Sultanate of Oman, 22 December 2003.
- Training Course on "Advanced Modeling in Soil and Groundwater Systems", Sultan Qaboos University, Muscat, Sultanate of Oman, 15 – 19 May 2004.
- Training Course on "Surface Water Assessment and Simulation using HEC-HMS", Ministry of Agriculture and Fisheries, Dubai, UAE, 12-16 June 2004.
- Training Course on "HydroGeo Analyst" in collaboration with Schlumberger Water Services, Abu Dhabi, Ministry of Environment and Water, Dubai, 23 -27 December 2008.
- Training Course on "Aquifer Storage and Water Security in Arid Regions", EPFL Middle East, Ras Al Khaimah, RAK Investment Authority, 10-12 April 2011.

Fulbright Scholarships: Dr. Sherif received two Fulbright Scholarships:

- Fulbrighter, United States Information Agency, USA, Young African Leaders Program, April – June 1993.
- Fulbrighter, Louisiana State University/US Geological Survey, Reston, Virginia, Dec 96 – June 97.

Presentations and Attendance Conferences/Scientific Meetings/Workshops:

The following conferences/meetings were attended and oral presentations were delivered.

1. Sustainability Leadership Conference, Dubai Electricity and Water Authority, Dubai, 15-16 March 2017.
2. Annual Conference of the American Water Resources Association (AWRA), Orlando, Florida, 13-17 November 2016.
3. ASCE/EWRI World Environment and Water Resources Congress, West Palm Beach, Florida, 22-27 May 2016.
4. 6th QS Middle East and Africa Professional Leaders in Education Conference and Exhibition, UAE University, Al Ain, UAE, 10 – 12 May 2016.
5. 5th International Conference on Energy and Sustainable Environment, Chang, Singapore, 21-24 February 2016.
6. Editorial Board Meeting of the Journal of Hydrological Engineering, Headquarter of the ASCE, Reston, Virginia, 15 August, 2015.
7. ASCE/EWRI World Environment and Water Resources Congress, Austin, Texas, May 17-21 2015.
8. The 2015 American Water Resources Association Spring Conference, Los Anglos, California, March 30 – April 1, 2015
9. The 2014 AWRA Annual Water Resources Conference, Tysons Corner, VA, 3-6 November 2014.

10. The International Conference of Marine Environment and Freshwater Environments, St. John's and Newfoundland Labrador, Canada, 6-8 August 2014.
11. World Environmental and Water Resources Congress, EWRI, Portland, Oregon, 1 – 5 June 2014.
12. The National Groundwater Association, NGWA, Groundwater Summit, Denver, Colorado, 5-8 May 2014.
13. World Environmental and Water Resources Congress, EWRI, Cincinnati, Ohio, 19-23 May 2013.
14. Engineering Sustainability 2013: Innovation and the Triple Bottom Line, Mascaro Center for Sustainable Innovation, University of Pittsburgh, 7 -9 April, 2013.
15. Second Water Research Conference, International Water Association, Singapore Expo, Singapore, 20 – 23 January 2013.
16. International Water Summit 2013, "Strategic Water Reserves in Arid Regions", Environment Agency, Abu Dhabi, 15 – 17 January 2013.
17. ASCE/EWRI World Environment and Water Resources Congress, Albuquerque, New Mexico, 20-24 May 2012.
18. Keynote paper, Fourth International Congress on Technology of Seawater Intrusion into Coastal Aquifers (TIAC'12), Almeria, Spain, 20-23 April 2012.
19. Invited Speaker, Going Global 2012, The International Education Conference, Queen Elizabeth II Conference Centre, London, 13 – 15 March 2012.
20. World Environmental and Water Resources Congress, EWRI 2011, Palm Springs, California, 22-26 May 2011.
21. International Workshop on Hydrology: Nature & Engineering, Sultan Qaboos University, Sultanate of Oman, 20 – 21 March 2011.
22. The 7th Annual International Symposium on Managed Aquifer Recharge, ISMAR7, Abu Dhabi, 9-13 October 2010.
23. The Academic Leadership Workshop, September 23rd, 2010, UAE University, Al Ain, UAE.
24. Project Review Meeting, "Evaluation of the Probable Maximum Precipitation and Probable Maximum Flood, Enp 1 & 2, United Arab Emirates", Project No. 08-4075, PAUL C. RIZZO ASSOCIATES, INC, Monroeville, PA, USA, 28 June – 1 July 2010.
25. Integrated Management Plan for Water Resources Conservation in UAE, Workshop organized by the Ministry of Environment and Water and International Center for Biosaline Agriculture (ACBA), Dubai, 12-13 November 2009.
26. International Symposium on Engineering Education and Educational Technologies, EEET 09, 10-13 July, 2009, Orlando, Florida, USA.
27. the 20th Salt Water Intrusion Meetings, SWIM-20, 23-27 June, 2008, Naples, Florida, USA.
28. International Workshop on Environmental and Health Risks for Sustainability in Arid Regions, 28th January 2008, Tohoku University, Sendai, Japan.
29. The 12th Regional Meeting of the Arab IHP National Committees, 6-8 November 2007, Al Ain, UAE.
30. Third International Congress on Technology of Seawater Intrusion into Coastal Aquifers (TIAC'07), October 16-19, 2007, Almeria, Spain.
31. XXIV General Assembly of the International Union of Geodesy and Geophysics (IUGG), July 2-

- 13, 2007, Perugia, Italy.
32. Water Summit: "Water Resources Development, Conservation, and Management", Organized by UAE University and Schlumberger Water Services, 28 March 2007, Al Ain, UAE.
 33. Diversifying the Oil Economy, organized by the Gulf Society for Organizational Learning, GULF SoL, 11-12 December 2006, Al Ain, UAE.
 34. International Conference on Challenges in Coastal Hydrology and Water Quality, 21-24 May 2006, Baton Rouge, Louisiana, USA.
 35. 2nd German Arab Water Conference 21-22 April 2006, Hanover, Germany
 36. 3rd JCCP-UAEU Symposium on Sustainable Environment and Water Resources in GCC Countries, 28-30 January 2006, Abu Dhabi, UAE.
 37. International Conference on Energy, Environment and Disasters, INCEED 2005, Charlotte, North Carolina, USA, 24-30 July 2005.
 38. 13th GCC Environment Symposium, Sultan Qaboos University, Muscat, Sultanate of Oman, 6-8 February 2005.
 39. 5th Annual Research Conference at the United Arab Emirates University, Al Ain, UAE, 25-27 April 2004.
 40. Coastal Aquifers Intrusion Technology: Mediterranean Countries, Alicante-Spain, 11-14 March 2003.
 41. International Conference on Soil and Groundwater Contamination and Cleanup in Arid Countries, Muscat, Sultanate of Oman, 20-23 January, 2003.
 42. International Conference on Water Resources Management in Arid Regions, WaRMAR, Kuwait, 23-27 March 2002.
 43. International Conference on Saltwater Intrusion and Coastal Aquifers Monitoring, Modeling and Management, SWICA-M³, Morocco, 23-25 April 2001.
 44. The 1st International Conference and Exhibition on Geotechnical, Geoenvironmental Engineering and Management in Arid Lands, Collage of Engineering, UAE University, United Arab Emirates, 4-7 November 2000.
 45. Dubai International Conference on Desertification, United Arab Emirates, 12-15 Feb., 2000.
 46. XXVII IAH Congress on "Groundwater in the Urban Environment" Nottingham, United Kingdom, 21-27 Sept. 1997.
 47. 16th ICID Congress "Sustainability of Irrigated Agriculture", Cairo-Egypt, 15-22 Sept. 1996.
 48. Regional Conference & International Symposium on Environment & Hydrology, ASCE, EGS, Cairo, 10 -12 October 1995.
 49. European Symposium "Water Resources Management in the Mediterranean under Drought or Water Shortage Conditions: Economic, Technical, Environmental and Social Issues, Nicosia-Cyprus, March 15-18, 1995.
 50. IAHR Symposium on Transport and Reactive Processes in Aquifers, Zurich, Switzerland, 11-15 April 1994.
 51. Egyptian - Hungarian Conference on Environment, ST. Catherine, Sinai, Egypt, 5-7 April 1993.
 52. European Conference "Advances in Water Resources Technology", Athens-Greece. 20-23 March 1991.

53. Al-Azhar Engineering First Conference, Nasr City, Cairo. 9-16, December 1989.
54. First International Conference in Computer Methods and Water Resources, Morocco, March 1988.
55. Water Resources Development in Egypt. DRTPC - Cairo University, Giza- Egypt, 6-8 June 1983.

Session Chairman:

- Co-Chairman, "Session on Groundwater at Risk", Water Resources Management in the Mediterranean under Drought or Water Shortage Conditions, Nicosia-Cyprus, March 1995.
- Chairman, "Session on Hydrology of Environmental Hazards", ASCE Conference on Water Resources, Cairo, October 1995.
- Chairman, "Session on Numerical Modeling of Groundwater Pollution", ASCE Conference on Water Resources, Cairo, October 1995.
- Chairman, "Session on Pollutant Transport", 1st International Conference Geotechnical, Geoenvironmental Engineering and Management in Arid Lands, UAE University, United Arab Emirates, November 2000.
- Chairman, "Open Forum Discussion: Future outlooks for Geoenvironmental Engineering", 1st International Conference Geotechnical, Geoenvironmental Engineering and Management in Arid Lands, UAE University, United Arab Emirates, November 2000.
- Chairman, "Groundwater Development and Management", International Conference on Water Resources Management in Arid Regions, Kuwait Institute for Scientific Research, 23-27 March 2002, Kuwait.
- Co-chairman, Panel Discussions: Recommendations on Water Resources Development and Management in Arid Regions, International Conference on Water Resources Management in Arid Regions, Kuwait Institute for Scientific Research, 23-27 March 2002, Kuwait.
- Chairman, "Graduate Students Research, UAE University", United Arab Emirates University, Al Ain, UAE, 27th April 2004.
- Co-chairman, Discussions and Wrapping Session, Artificial Groundwater Recharge: A Step towards Water Security, Kuwait Institute for Scientific Research, Kuwait, 16 February 2005.
- Co-Chairman, Groundwater Development Session, the 7th Gulf Water Conference, Kuwait, 19-23 November 2005.
- Chairman, Groundwater Protection Session, Sustainable GCC Environment and Water Resources, EWR2006, Abu Dhabi, 28-30 January 2006.
- Chairman, Coastal Surface Water and Ground Water Interactions Session, International Conference on Challenges in Coastal Hydrology and Water Quality, 21-24 May 2006, Baton Rouge, Louisiana.
- Chairman, Closing Session: Recommendations for Water Resources Development, Conservation and Management, Water Summit, 28 March 2007, Al Ain, UAE.
- Chairman, Building and Construction Session, 10th Annual Research Conference, 13-16 April 2009, UAE University, Al Ain.
- Moderator, Enhancements in Aquifer Characterization, 7th Annual International Symposium on Managed Aquifers Recharge, Abu Dhabi, 9 -13 October 2010.
- Moderator, Session 72: Water Supply Planning and Management, 2016 Annual American Water Resources Association Conference, Orlando Florida, November 13-17, 2016.

Professional Affiliation:

- Member, American Water Resources Association, **AWRA**, No: 57467
- Member, American Society of Civil Engineers, **ASCE**
- Member, Environmental and Water Resources Institute, **EWRI**
- Member, International Association for Hydraulic Research, **IAHR**
- Member, European Water Resources Association, **EWRA**
- Life Fellow, Indian Association of Hydrologists (**IAH**)
- Member, Gulf Cooperation Council Society for GeoEngineering, **GCCSGE**
- Member, International Society of Soil and Water Conservation, **ISSWC**
- Member, Arab Health Water Association **AHWA**
- Member, Water Science and Technology Association, **WSTA**
- Member, Egyptian Society of Engineers, **ESE**
- Member, Egyptian Engineering Syndicate, **EES**

Honors and grants:

- Merit Award from the Egyptian Government for Pursuing Studies Leading to B.Sc. (75-79).
- Peace Fellowship, **Louisiana State University, U.S.A.** (85-1988).
- Fulbright Scholar, **“U.S. Environmental Protection, Young African Leaders”** – Conducted scientific visits to the Environmental Protection Agency, Headquarter Office in Washington, U.S. Geological Survey- Alabama Office, Massachusetts Institute of Technology (MIT), Tufts University, Medford, Yale University, Arizona State University, Great Salt Lake River Project, and other scientific and research organizations, (April 11 - May 21, 1993). Sponsored by the **United States Information Agency - USIA**.
- Nominated for the Individual Achievement Award, **Colorado State University**, 1993.
- Fulbright Scholar: Awarded a 5-month grant to conduct a research on Groundwater Pollution at Louisiana State University and USGS, USA, 1996/97.
- Awarded the prize of the distinguished teacher of postgraduate level, Faculty of Engineering, Cairo University, Egypt, 1997.
- Awarded the prize of research in the field of Groundwater Protection and Quality, Ministry of Public Works and Water Resources, Egypt, 1997.
- Training Award, 3rd Annual Social Gathering, Kuwait Institute for Scientific Research (KISR), Kuwait, May 1999.
- The Best Externally Funded Research Project Award- Excellence in Research, UAE University, 2002/2003.
- Who's who in Science and Engineering, 2003/2004.
- Who's who in Engineering Higher Education, <http://engineering.academickeys.com/>.
- Awarded a long-term 4-year rolling contract for the duration 2006 – 2009, February 2005. The only faculty who was awarded this contract in the College of Engineering, UAE University.
- Renewal of the long term 4-year rolling contract for the durations 2007 – 2010, 2008 -2011, 2009 – 2012, 2010 – 2013, and 2011- 2014, UAE University.
- Recipient of a merit increase for exceptional performance and service during the AY 2005-06, College of Engineering, UAE University, June 2006.
- Recipient of **HE Sheikh Khalifa Award for Education**, Higher Education/Research, First Round,

March 2008.

- Awarded the designation of Diplomate, Water Resources Engineer, American Academy of Water Resources Engineers, May 2011.
- Certificate of Achievement for publishing in top journals and bringing recognition to UAE University, Research Affairs, UAE University, April 2016.
- Best Associate Editor Award, Journal of Hydrological Engineering, ASCE, May 2016.

Committees Membership, External Reviewer and other Assignments:

Dr. Sherif has served in numerous committees and task forces that are related to community and university development. He has acted as an external reviewer for a number of research proposals and projects, promotion cases of faculty members in the area of water resources and others. Some of these activities are listed below.

- Director, Computer Lab, Irrigation and Hydraulics Department, Faculty of Engineering, Cairo University (1990-1997).
- Coordinator, Scientific Seminars and Presentations, Irrigation and Hydraulics Department, Faculty of Engineering, Cairo University (1992-1997).
- Member, Advisory Board of the Central Library, Faculty of Engineering, Cairo University (1993-1996).
- Member, Core Committee for Development of Hydraulic Laboratory, Faculty of Engineering, Cairo University (1994-1995).
- Member, International Scientific Committee of the European Symposium on Water Resources Management in the Mediterranean, Nicosia, March 1995.
- Coordinator, Student Summer Training, Faculty of Engineering, Cairo University (1995-1997).
- Member, Managerial Committee for the Water Resources Research Institute, National Water Research Center, Egypt (1996 – 1998).
- Member, Faculty Committee for Development of Ph.D. Curriculum, Faculty of Engineering, Cairo University, 1996.
- Member, Scientific Committee for Review and Evaluation of Proposal and Reports, Water Resources Division, KISR, Kuwait.
- Member, International Advisory Committee, 1st International Conference on Saltwater Intrusion and Coastal Aquifers Monitoring, Modeling and Management, SWICA-M³, 23-25 April 2001, Morocco.
- Member, KISR Core Committee for the Organization of International Conference on Water Resources Management in Arid Regions, 23-27 March 2002, Kuwait Institute for Scientific Research, Kuwait.
- Member, Higher Committee for the Preparation of the Five-year (2001-2006) Program for the Monitoring and Assessment of the Environmental Consequences of Iraq's Aggression, Kuwait Institute for Scientific Research, February-August 2001.
- External Reviewer, SABIC Research Proposal Evaluation, King Fahd University of Petroleum and Minerals, Ministry of Higher Education, Saudi Arabia, March 2001.
- Member, Department Promotions Committee, Civil Engineering Department, College of Engineering, United Arab Emirates University, 2001/2002.

- Member, College Promotions Committee, College of Engineering, United Arab Emirates University, 2001/2002.
- Head, Department Graduate Studies Committee, Civil Engineering Department, College of Engineering, UAEU, 2001/2002.
- Member, College Travel Committee, College of Engineering, UAEU, 2001/2002.
- Member, Graduation Project Exam Committee, College of Engineering, UAEU, 2001/2002.
- Member, Department Community Service Committee, College of Engineering, UAEU, 2001/2002.
- Chair, Interview Committee of New Graduate Students, Water Resources Master Program, UAEU, 2001/2002, 02/03, 03/04, 04/05, 05/06 and 06/07.
- College/University representative, Development of Water Resources Action Plan for Abu Dhabi, Environmental Research and Wildlife Development Agency, ERWDA, Abu Dhabi, October-December, 2001 and April 2002.
- General Secretary, International Conference on Water Resources Management in Arid Regions, Kuwait Institute for Scientific Research, 23-27 March 2002.
- External Reviewer, Establishment and Development of Chemical, Civil and Mechanical Engineering Departments' Laboratories, Mutah University, Jordan-Higher Education Development Project financed by the World Bank, National Center for Human Resources Development (NCHRD), Jordan, January 2002.
- Member, Scientific Committee, International Conference on Soil and Groundwater Contamination and Cleanup in Arid Countries, Sultan Qaboos University, Muscat, Sultanate of Oman, 20-23 January 2003.
- Member, *International Scientific Committee*, International Conference on Water Resources of Arid and Semiarid Regions of Africa (WRASRA): Issues and Challenges, 3-7 August 2003, Gaborone, Botswana.
- Member, *Scientific Committee*, Conference on Coastal Aquifers Intrusion Technology: Mediterranean Countries, 11-14 March 2003, Alicante, Spain.
- Head, Department Promotions Committee, Civil Engineering Department, College of Engineering, United Arab Emirates University, 2002/2003.
- Head, Department Graduate Studies Committee, Civil Engineering Department, College of Engineering, UAEU, 2002/2003.
- Member, College Promotions Committee, College of Engineering, UAE University, 2002/2003.
- Member, College Travel Committee, College of Engineering, UAEU, 2002/2003.
- Coordinator, University Committee for Distinguished Faculty Award, UAE University, 2002/2003.
- Member, University Committee for Assessment of Teaching Performance, UAE University, 2002/2003.
- Member, ABET Re-Accreditation committee, Civil and Environmental Engineering Department, UAE University, 2002/2003.
- Peer Reviewer, Water Resources Projects (Proposals/Reports) submitted to Kuwait Foundation for Advancement of Sciences (KFAS), 2003-Date.

- Member, University Publishing Committee, United Arab Emirates University, 2003- 2005.
- Head, Department Promotions Committee, Civil and Environmental Engineering Department, College of Engineering, United Arab Emirates University, 2003/2004
- Member, Department Graduate Studies Committee, Civil and Environmental Engineering Department, College of Engineering, UAEU, 2003/2004.
- Member, College Promotions Committee, College of Engineering, UAE University, 2003/2004.
- Member, University Committee for Assessment of Teaching Performance, UAE University, 2003/2004.
- Member, University Committee for Graduate Studies, UAE University, 2004/2005
- Head, Department Promotions Committee, Civil and Environmental Engineering Department, College of Engineering, United Arab Emirates University, 2004/2005
- Member, Department Graduate Studies Committee, Civil and Environmental Engineering Department, College of Engineering, UAEU, 2004/2005.
- Member, College Promotions Committee, College of Engineering, UAE University, 2004/2005.
- Member, College Committee for Assessment of Teaching Performance, UAE University, 2004/2005.
- Member of the International Advisory Committee, International Conference on Groundwater for Sustainable Development, Problems, Prospective and Challenges, IGC-2006, New Delhi, India, 1-4 February 2006.
- Member of the International Program Committee (IPC), International Conference on Advanced Technology in the Environmental Field (ATEF 2006), Lanzarote, Spain from February 6-8, 2006.
- Member and Secretary, College Board, College of Engineering, UAE University, 2005/2006.
- Head, Department Promotions Committee, Civil and Environmental Engineering Department, College of Engineering, United Arab Emirates University, 2005/2006
- Member, College Promotions Committee, College of Engineering, UAE University, 2005/2006.
- Member, Textbook Committee at the University Level, UAE University, 2005/2006.
- Member, National IHP UAE Committee, UNESCO, February 2006-Date.
- Member, International Advisory Board, Third International Groundwater Conference on "Water, Environment and Agriculture: Present Problems and Future Challenges, Coimbatore, India, 7-10 February 2007.
- Member, Department Research Committee, Department Graduate Studies Committee, ABET Re-Accreditation Committee, Civil and Environmental Engineering Department, College of Engineering, UAE University, 2006/2007.
- Member, College Promotions Committee, College of Engineering, UAE University, 2006/2007.
- Chair, Editorial Board, Emirates Journal for Engineering Research, 2006-2009.
- Member, University Graduate Studies Committee, UAE University, 2006/2007.
- Member, University Textbook Committee, UAE University, 2006/2007.

- External Reviewer, Research Proposal entitled "Evaluation of Urban Groundwater Contamination from Sewage Network in Kuwait City", Kuwait Foundation for the Advancement of Sciences (KFAS), September 2006.
- Peer Reviewer, of Proposals and Final Reports submitted to the Exchange Program, Binational Fulbright Commission, USA/Egypt, October 2006.
- Acting Dean, College of Graduate Studies, UAE University, 19 September – 3 October 2006 and 18 January – 3 February 2007.
- Chair, AD-HOC Committee, Admission Regulations of Graduate Students, College of Graduate Studies, UAE University, January - February 2007.
- Chairman of the Organizing Committee, Water Summit: Water Resources Development, Conservation and Management, Jebel Hafeet, Al Ain, United Arab Emirates, 28 March 2007.
- Member of the Scientific Committee, Third International Congress on Technology of Seawater Intrusion into Coastal Aquifers (TIAC'07) and the International Symposium on Coastal Aquifers and Desalination Plants (SIACODE'07), Organized by the Spanish Geological Survey, 16-19 October 2007.
- Member, University Promotions Committee, Associate Provost Office, UAE University, 2006/07.
- Member, Civil and Environmental Eng. Department Promotion Committee, College of Engineering, UAE Univ., 2007/08, 2008/09, 2009/10, and 2010/11.
- Member, Civil and Environmental Eng. Department Assessment Committee, College of Engineering, UAE Univ., 2007/08.
- Head, Civil and Environmental Eng. Department ABET Re-Accreditation Committee, College of Engineering, UAE Univ., 2007/08, 2009/10.
- Member, College ABET Re-Accreditation Committee, College of Engineering, UAE Univ., 2007/08, 2009-2010.
- Member and Secretary, University Graduate Studies Committee, UAE University, 2007/2008.
- Member, University Promotion Advisory Committee, UAE University, 2007/08.
- Chair, Council of Directors of Interdisciplinary Graduate Programs, College of Graduate Studies, UAE Univ., 07/08.
- Chair, College Faculty Awards Committee, College of Engineering, UAE Univ., 2007/08, 2008/09.
- Member and Secretary, University Graduate Studies Committee, UAE University, 2007/2008.
- Member, Scientific Steering Committee, International Conference on Groundwater & Climate in Africa, Kampala, Uganda, 24-28 June, 2008.
- Member of the Technical Committee, International Conference on Harnessing Technology: Energy, Environment and Natural Resources, Caledonian College of Engineering, Muscat, Sultanate of Oman, 12-13 October 2008.
- Member, International Scientific Committee, International Built & Human Environment Research Week, IRW 2009, University of Salford, UK, January 2009.
- Chair, Civil and Environmental Eng. Department ABET Re-Accreditation Committee, College of Engineering, UAE University, 2008/09.
- Member, Civil and Environmental Eng. Graduate Studies Committee, College of Engineering, UAE University, 2008/09.

- Member, Civil and Environmental Eng. Educational Outcomes Assessment Committee, College of Engineering, UAE University, 2008/09, 2009/10, 2010/11.
- Member, University Graduate Studies Committee, UAE University, 2008/09.
- Member, College Graduate Studies Committee, College of Engineering, UAE University, 2008/09, 2009/10, 2010/11.
- External Reviewer, Proposal for the establishment of a Water Research Group, Deanship of Scientific Research, King Fahd University of Petroleum and Minerals, Saudi Arabia, April/May 2009.
- External Assessor, Environmental Engineering Program, College of Engineering, King Faisal University, Saudi Arabia, May-June 2009.
- Member, Search Committee for Dean of College of Science, UAE University (November 09 – April 2010).
- Member, College Graduate Studies Committee, College of Engineering, UAE University, 2009/10, 2010, 2011.
- Member, Scientific Committee, Sustainable Water Management (SWM2010), Jamshoro – Pakistan, 15 - 17 September 2010.
- Member, steering Committee of the 7th Annual International Symposium on Managed Aquifer Recharge, ISMAR7, Abu Dhabi, 9-13 October 2010.
- Member of the National Technical Committee for Water Distribution and Production, Emirates authority for Standardization and Metrology, UAE, December 2010 –Date.
- Member, Scientific Committee, IV International Conference on Technology Seawater Intrusion in Coastal Aquifers (TIAC'12) and III International Symposium on Coastal Aquifers and Desalination Plants (SIACODE'07), Organized by the Spanish Geological Survey, 24-26 April 2012.
- Member, International Scientific Committee, 5th International Groundwater conference (IGWC-2012) at Maulana Azad Arts & Science College, Auranagbad, Maharashtra, India, December 2012.
- Member, International Scientific Committee, 22nd Conference of the UK Association of Computational Mechanics, 2-4 April 2014, Exeter, UK.
- Member, University Academic Council, UAE University, AY 2011-2012, 2012-2013, 2013-2014, 2014-2015, and 2015-2016.
- Chair of the College Council, College of Engineering, UAE University, August 2014 – January 2016.
- Chair of ABET Accreditation Committee, College of Engineering, UAE University, August 2014 – January 2016. Final Reports submitted June 2015 and ABET Campus Visit completed in November 2015.
- Chair, Advisory Promotions Committee, College of Medicine and Health Sciences, UAE University, 2012-2013, 2014-2015, and 2015-2016.
- Chair, University Promotions Committee, UAE University, 2012-2013, 2013-2014, 2014-2015, and 2015-2016.
- Member, Grades Amendments Committee, UAE University, 2012-2016.
- Vice Chair, University Research Committee, UAE University, 2017, 2018 and 2019.
- Vice Chair, University Graduate Studies Committee, UAE University, 2018 and 2019.

- Member, Deans Evaluation Committee- UAE University, 2019.

Activities with UNESCO - Cairo Office:

- Assisted in the preparation and editing of the final report of the Sixth Regional Meeting of the Arab National Committees of the International Hydrological Program of UNESCO, 3-6 December 1995, Amman, Jordan.
- Co-authored, working paper entitled "Water Resources: An Imminent Issue" with Dr. Abdin M. Salih. The paper was presented in the workshop "Environmental Communication for Women in Household and Community Water Management", 13-16 December 1995, El-Kharga City, New Valley, Egypt.
- Represented the UNESCO-Cairo Office in the "Second Meeting of the Regional Inter-Agency Task Force on Land and Water Resources", Organized by World Health Organization, Regional Office for the Eastern Mediterranean, 10 January 1996, WHO/EMRO, Alexandria, Egypt.
- Reviewed the manuscript of the book "Vegetation of Jordan" by Dawud Al-Eisawi, 284, pp., Published through the Hydrology Programme of the UNESCO-Cairo Office, January 1996.
- Assisted in the preparation and editing of a report on **Environmental Sustainability**, Preparatory Mission and Implementation of TSS-1 Exercise, Egypt-Sustainable Human Resources Development: Sinai Integrated Agro-Enterprise Programme (SIAP), April 1996.
- Co-Editor, Proceedings of the workshop "Wadi Hydrology and Groundwater Protection", Organized by UNESCO- Cairo Office, 4-7 June 1996, IHP-V, Technical Document in Hydrology-No.1.

Editorial Boards and Review of Journals Papers:

- Member of the Advisory Editorial Board for "Water Science and Technology Library" Book Series, Published by Kluwer Academic Publishers, Netherlands, 2014 – Date.
- Associate Editor, Journal of Hydrologic Engineering, ASCE, 2011- Date.
- Associate Editor, Journal of Hydrology, Elsevier, January 2016 – Date.
- Associate Editor, IST Transactions of Environmental Systems-Theory and Applications, September 2009- Date.
- Member of the Editorial Advisory Boards, The Asian Review of Civil Engineering (TARCE), June 2012 – Date.
- Member of the Editorial Board, International Journal of Structural and Civil Engineering Research, September 2012 – Date.
- Member of the Editorial Board, International Journal of Hydrology Science and Technology, November 2009 – Date.
- Member of the Advisory Board, Caledonian Journal of Engineering, Muscat, Sultanate of Oman, 2008 – Date.
- Editor-in-Chief, Emirates Journal for Engineering Research, College of Engineering, UAE University, December 2002- September 2009.
- Member of the Advisory Editorial Board for "Water Science and Technology Library" Book Series, Published by Kluwer Academic Publishers, Netherlands, 1996 - 2000.
- Member of the Editorial Board for "Development in Arid Region's Research" Book Series Published by Balkema, Netherlands, 2000 - Date.

- Member, International Board of Advisors, Journal of Hydrologic Engineering, ASCE, 2004 – Date.
- Member, Editorial Board of International Journal of Applied Environmental Sciences, 2005 – Date.
- Member, Peer Review Committee for Caledonian Journal of Engineering, Sultanate of Oman, February 2007 – Date.
- Reviewer of papers submitted to the following International Journals: Water Resources Research, Groundwater, Water Resources Management, Hydrogeology, Journal of Hydrology, Transport in Porous Media, Natural Hazards, Engineering Computations, ASCE Journal of Hydrologic Engineering, and Vadose Zone Journal, and International Journal of Ecological Economic & Statistics (IJEES).

Review of Textbooks:

The manuscripts of the following books were reviewed either fully or partially before printing:

- *"Hydrologic Systems"*, Vol. 1, Prentice Hall, USA, 320 pp., 1989.
- *"Environmental Hydrology"*, Kluwer Academic Publisher, Netherlands, 479 pp., 1995.
- *"Hydrology of Disasters"*, Kluwer Academic Publisher, Netherlands, 442 pp., 1996.
- *"Vegetation of Jordan"*, UNESCO- Cairo Office, 1996.
- *"Dam-Breach Modeling Technology"*, Kluwer Academic Publisher, Netherlands, 242 pp., 1996.
- *"Environmental Hydraulics"*, Kluwer Academic Publisher, Netherlands, 415 pp., 1996.
- *"Geographical Information System in Hydrology"*, Kluwer Academic Publisher, Netherlands, 443 pp., 1997.
- *"Environmental Data Management"*, Kluwer Academic Publisher, Netherlands, 298 pp., 1998.
- *"Geology of Kuwait"* (in Arabic), Kuwait Foundation for Advancement of Sciences, Kuwait, 2000.
- *"Water Resources Engineering"*, Authorship, Translation and Publication Committee, Academic Publication Council, Kuwait, February 2011.

Supervision of M.Sc. and Ph.D. Theses

The following students were advised and their Theses directed to completion:

1. Ahmed E. Hassan, M.Sc. Thesis, January 1991. "Groundwater Contamination in Leaky Aquifers." Faculty of Engineering, Cairo University, Egypt.
2. Ahmed R. Allam, M.Sc. thesis, February 1993. "A Groundwater Study in West Samalut Area." Faculty of Engineering, Cairo University, Egypt.
3. Khaled I. Hamza, M.Sc. Thesis, February 1993. "A Two-Dimensional Finite Element Model for Solute Transport in Groundwater." Faculty of Engineering, Cairo University, Egypt.
4. Emad Y. Nesim, M.Sc. Thesis, January 1995. "Modeling Saltwater Intrusion in Anisotropic Multilayer Aquifers." Faculty of Engineering, Cairo University, Egypt.
5. Mohammed H. El-Gamal, M.Sc. Thesis, February 1995. "Simulation of Saltwater Intrusion Using Saturated-Unsaturated Transport Model (STURA)." Faculty of Engineering, Cairo University, Egypt.
6. Tarek M. Sabaa, M.Sc. Thesis, August 1995. "Interactive Modeling for Groundwater Flow and Pollution." Faculty of Engineering, Cairo University, Egypt.
7. Wael M. K. Aly, M.Sc. Thesis, November 1995. "Numerical Simulation of Water Polices in Middle Nile Delta." Faculty of Engineering, Cairo University, Egypt.

8. Khaled I. Hamza, Ph.D. Thesis, July 1996. "Simulation of Decayable Materials in Groundwater." Faculty of Engineering, Cairo University, Egypt.
9. Hatem A.R. Sayed, Ph.D. Thesis, September 1996. "Water Resources Assessment and Utilization in El-Qaa Plain, Sinai." Faculty of Engineering, Cairo University, Egypt.
10. Mohammed A. Moustafa, M.S. Thesis, January 1997. "Modeling Groundwater Flow and Pollution via STURA and MOC: Testing and Evaluation." Faculty of Engineering, Cairo University, Egypt.
11. Ahmed R. Allam, Ph.D. Thesis, May 1998. "Artificial Groundwater Recharge in Egypt" Faculty of Engineering, Cairo University, Egypt.
12. Fatima A. Al Shahi, M.Sc. Thesis, December 2002. "Assessment of Groundwater Resources in Selected Areas of the UAE", Water Resources M.Sc. Program, UAE University, UAE.
13. Hind S. Al Nuaimi, M.Sc. Thesis, June 2003. "Hydrogeological and Geophysical Studies on the Jaw Plain, Al Ain area, UAE, Water Resources M.Sc. Program, UAE University, UAE.
14. Muna K. Al Hammadi, M.Sc Thesis, June 2003. "Assessment of Groundwater Resources using GIS and Remote Sensing", Water Resources M.Sc. Program, UAE University, UAE.
15. Rashid Al Kindi, M.Sc. Thesis, June 2004. "Assessment of Groundwater Recharge from the Dam of Wadi Aljizzi, Oman", Water Resources M.Sc. Program, UAE University, UAE.
16. Khalid Harron, M.Sc. Thesis, June 2004. "Assessment of Surface Water Runoff and Groundwater Recharge using Mathematical Models", Water Resources M.Sc. Program, UAE University, UAE.
17. Ahmed K. Osman, M.Sc. Thesis, January 2005. "Quantitative and Qualitative Assessment of Groundwater Resources in Al-Khatim Area, UAE", Water Resources Master program, UAE University, UAE.
18. Entisar S. Al-Katheeri, M.Sc. Thesis, June 2007. "Environmental Risk Assessment on Groundwater Recharge area, Liwa Aquifer, Environmental Sciences Master Program, UAE University, UAE.
19. Muhammad Sultan, M.Sc. Thesis, June 2007. "Pressure Optimization of Water Transition Pipelines and Booster Pumping Stations in Al Ain Region, Water Resources Master Program, UAE University, UAE.
20. Mohamed Rehan Yusuf, M.Sc. Thesis, January 2009. "Development of a GIS Database for Water Resources Management in Ajman Emirate", Water Resources Master Program, UAE University, UAE.
21. Ayeda M. Ali, M.Sc. Thesis, January 2009. "Assessment of Groundwater Vulnerability to Seawater Intrusion in the Coastal Aquifer of Wadi Ham", Water Resources Master Program, UAE University, UAE.
22. Nawal E. Saleh, M.Sc. Thesis, January 2009. "Modeling Hydrocarbons Transport and Remediation in the Saturated Groundwater Aquifer of Bu Hasa Field", Water Resources Master Program, UAE University, UAE.

External and Internal Examiner of Ph.D and M.Sc. Theses

- External Examiner, "Studies on 2-D Horizontal Dispersion of High Density Pollutants through Saturated Porous Media", Ph.D. Dissertation, Andhra University, India, 2003.
- External Examiner, "The Feasibility of Allocating Groundwater for Agriculture to other Uses in Bahrain", M.Sc. Thesis, Deanship of Scientific Research, University of Bahrain, Bahrain, March 2006.
- External Examiner, "An Assessment of Groundwater Resources in Salalah Wellfield Protection Zones", M. Sc. Thesis, Sultan Qaboos University, Sultanate of Oman, April 2006.

- Internal Examiner, "Quantity and Quality Simulation in Al Ain Water Distribution System", M.Sc. Thesis, Water Resources Master Program, UAE University, Al Ain, UAE, June 2006.
- Internal Examiner, "Evaluation of Management Options for Groundwater Resources in Khatt Spring Area, UAE using GIS and MODFLOW", by Nada Butti Water Resources Master Program, UAE University, Al Ain, UAE, June 2009.
- External Examiner, "Regional Hydrogeology and Groundwater Flow of the Northern Ash Sharqiyah Sand Aquifer, Wadi al Batha Basin, M. Sc. Thesis, Sultan Qaboos University, Sultanate of Oman, June 2009.
- External Examiner, "Feasibility Study of Dammam Aquifer Recharge by Tertiary Treated Wastewater in Bahrain using Simulation Models", M.Sc. Thesis by Aqeel Ahmed A. Ahmed, College of Graduate Studies, Arabian Gulf University, March 2010.
- External Examiner, "A Simulation-Optimization Model to Study the Control of Seawater Intrusion in Coastal Aquifers", Ph. D Thesis by Hany Farhat Abd-Elhamid, College of Engineering, Mathematics and Physical Sciences, University of Exeter, UK, March 2011.
- External Examiner, "Development of an Integrated Model for the Management of Renewable Groundwater Resources in the Kingdom of Saudi Arabia, Al-Leith Basin Case Study, College of Graduate Studies, Desert and Arid Zones Sciences Program, Arabian Gulf University, Bahrain, November 2014.
- Chair of the Examination Committee/External Examiner, "Optimal Integration of the Water-Energy-Food Nexus for Abu Dhabi Emirate", PhD Thesis in Interdisciplinary Engineering (Engineering Systems and Management), Khalifa University, Abu Dhabi, UAE, May 2019.

Publications and Research Outputs

a- Text Books

Cruise J., **Sherif M.M.**, and Singh V.P., "Elementary Hydraulics", hard cover, Thomson Nelson, Toronto, Ontario, Canada, 2007, 560p., ISBN: 0-534-49483-8.

Cruise J., **Sherif M.M.**, and Singh V.P., "Elementary Hydraulics"- International Student Edition, Thomson Nelson, Canada, 2007, ISBN: 0-495-08239-2.

Cruise J., **Sherif M.M.**, and Singh V.P., "Solution Manual for Elementary Hydraulics", Thomson Engineering, Toronto, Ontario, Canada, 2007, 313 p. ISBN 0-534-49484-6.

b- Books (Editor)

Sherif M.M., Singh V.P., Al-Rashed M., editors, "Hydrology and Water Resources", Proceedings of the International Conference on Water Resources Management in Arid Regions, Vol. 5, A.A. Balkema, Netherlands 2003.

Singh, V.P., Al-Rashed, M. and **Sherif M.M.**, editors, "Surface Water Hydrology", Proceedings of the International Conference on Water Resources Management in Arid Regions, Vol. 1, A.A. Balkema, Netherlands 2002.

Sherif, M.M., Singh, V.P. and Al-Rashed, M., editors, "Groundwater Hydrology", Proceedings of the International Conference on Water Resources Management in Arid Regions, Vol. 2, A.A. Balkema, Netherlands 2002.

Sherif, M.M., Singh, V.P. and Al-Rashed, M., editors, "Environmental and Groundwater Pollution", Proceedings of the International Conference on Water Resources Management in Arid Regions, Vol. 3, A.A. Balkema, Netherlands 2002.

Al-Rashed, M., Singh, V.P. and **Sherif M.M.**, editors, "Water Resources Development and Management", Proceedings of the International Conference on Water Resources Management in Arid Regions, Vol. 4, A.A. Balkema, Netherlands 2002.

Mourits L.J., Salih A.M., and **Sherif M.M.**, editors “Proceedings of the UNESCO-NWRC-ACSAD Workshops on Wadi Hydrology and Groundwater Protection”, Cairo 3-6 June 1996, International Hydrological Programme IHP-V, Technical Document in Hydrology No.1. UNESCO- Cairo Office, 1997. 143 pp.

c- Book Chapters

Sherif, M.M., Almulla, M., and Shetty, A., “Seawater Intrusion Assessment and Mitigation in the Coastal Aquifer of Wadi Ham”, Chapter 13, pp. 271 – 294, in Groundwater in the Coastal Zones of Asia-Pacific, edited by C. Wetzelhuetter, Coastal Research Library, No. 7, DOI 10.1007/978-94-007-5648-9_13 Springer, 2013.

Howari, F.M., **Sherif, M.M.**, Singh, V. P. and Azam, A. A., “Climate Change: Causes, Evidence and Impacts on Groundwater Resources”. Chapter 12, pp. 451-478, in Hydrology and Hydraulics, edited by V.P. Singh, Water Resources Publications, Highlands Ranch, Colorado, 2008.

Howari, F., **Sherif M.M.**, Singh, V.P., and Al Asam, M.S., "Application of GIS and Remote Sensing Techniques in Identification, Assessment and Development of Groundwater Resources" Chapter 1 in "Groundwater: Resource Evaluation, Augmentation, Contamination, Restoration, Modeling and Management", M. Thangarajan, editor. Capital Publishing Company, New Delhi, 2007.

Sherif M.M., "Seawater Intrusion in the Nile Delta Aquifer: An Overview", Chapter 20 in "Coastal Aquifers Intrusion Technology: Mediterranean Countries" Lopez-Geta, j.A, Gomez, J, Orden, J, Ramos, G, and Rodriguez, L. (eds.), IGME, Madrid, Spain 2003.

Sherif M.M., "The Nile Delta Aquifer in Egypt", Chapter 17 in "Seawater Intrusion in Coastal Aquifers: Concepts, Methods and Practices" Bear, J., Cheng, A., Sorek, S., Ouazar, D., and Herrera, A., (eds.), Book Series: Theory and Application of Transport in Porous Media, Vol. 14, pp. 559-590, Kluwer Academic Publishers, The Netherlands, 1999.

Bazaraa A.S., **Sherif M.M.** and Amer A.M., "Civil Engineering Education and Water Related Challenges in Egypt", Chapter 5 in "Environmental Engineering Education", published by Computational Mechanics Publishers, United Kingdom, 1997.

Sherif M.M. and Singh V. P., "Saltwater Intrusion", Chapter 10 in "Hydrology of Disasters", Book Series: Water Science and Technology Library, Vol. 18. pp.269-319. Kluwer Academic Publishers, The Netherlands, 1996.

d- Journal Publications

Abd-Elhamid, H., Abd-Elaty, I., **Sherif M.M.**” Effects of aquifer bed slope and sea level on saltwater intrusion in coastal aquifers”, Hydrology, accepted.

Hussain, M.S., Abd-ElHamid, H., Javadi, A.A., and **Sherif M.M.** “Management of Seawater Intrusion in Coastal Aquifers: A Review”. Water. Volume 11, 2467; November 2019, doi:10.2290/w11122467.

Abd-Elhamid, H., Abd-Elaty, I., and **Sherif M.M.**, “Evaluation of potential impact of Grand Ethiopian Renaissance Dam on Seawater Intrusion in the Nile Delta Aquifer”, International Journal of Environmental Science and Technology”, May 2019, Volume 16, [Issue 5](https://doi.org/10.1007/s13762-018-1851-3), pp 2321–2332, <https://doi.org/10.1007/s13762-018-1851-3>.

Sherif, M.M., Ebraheem, A.M., Al Mull, M.M., and Shetty, A.V., “New system for the assessment of annual groundwater recharge from rainfall in the United Arab Emirates”, Environmental Earth Sciences (2018) 77:412, <https://doi.org/10.1007/s12665-018-7591-3>, April 2018.

Hussain, M. S., Javadi, A. A., and **Sherif, M. M.**, "Assessment of different management scenarios to control seawater intrusion in unconfined coastal aquifers." *Journal of Duhok University*, 259-275%V 220. DOI: 10.26682/sjuod.2017.20.1.24, 2017.

Hussain, M. S., Javadi, A. A., **Sherif, M. M.** and Naseri-Karim, R., "Control of saltwater intrusion by aquifer storage and recovery." *Engineering and Computational Mechanics* 169 (3): 148-155, September 2016. DOI: 10.1680/jencm.15.00021.

Abd-Elhamid, H., Javadi, A.A., Abd-Elaty, I., and **Sherif M.M.**, "Simulation of seawater intrusion in the Nile Delta aquifer under the condition of climate change", *Hydrology Research*, Volume 47 (6), DOI: 10.2166/nh.2016.157, January 2016.

Hussain, M.S., Javadi, A.A., and **Sherif, M.M.**, "Three dimensional simulation of seawater intrusion in a regional coastal aquifer in UAE", *Procedia Engineering* 119 (1), 1153-1160, 2015. DOI: 10.1016/j.proeng.2015.08.965

Javadi, A., Hussain, M., **Sherif, M.M.**, and Farmani R., "Multi-Objective Optimization of Different Management Scenarios to Control Seawater Intrusion in Coastal Aquifers", *Water Resources Management*, DOI:10.1007/s11269-015-0914-1, Published online 29 January 2015.

Ebraheem, A.M., Al Mulla, M.M., **Sherif, M.M.**, Awad, O., Akram, S.F., Al Sweidi, N.B., and Shetty, A., "Mapping groundwater conditions in different geological environments in the northern area of UAE using 2D earth resistivity imaging survey", *Environmental Earth Sciences*, September 2014, Volume 72, Issue 5, pp 1599-1614.

Sherif M.M., Sefelnasr, A. Ebraheem, A., and Javadi, A., "Quantitative and Qualitative Assessment of Seawater Intrusion in Wadi Ham under Different Pumping Scenarios." *ASCE Journal of Hydrologic Engineering*, May 2014,19(5), 855–866.

Sherif, M.M., Almulla, M., Shetty, A., and Chowdhury, R.K., "Analysis of rainfall, PMP and drought in the United Arab Emirates", *International Journal of Climatology*, DOI: 10.1002/joc.3768., March 2014, Volume 34, Issue 4, pp. 1318–1328.

Sefelnasr, A. and **Sherif, M.M.**, "Impacts of seawater rise on seawater intrusion in the Nile Delta Aquifer, Egypt", *Groundwater*, Mar-Apr 2014; Vol. 52(2):264-76. doi: 10.1111/gwat.12058

Sherif, M.M., Kacimov, A., Javadi, A., and Ebraheem, A.M., "Modeling Groundwater Flow and Seawater Intrusion in the Coastal aquifer of Wadi Ham, UAE", *Water Resources Management*, Volume 26, Issue 3, January 2012, Page 751-774. DOI 10.1007/s11269-011-9943-6.

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Javadi, A.A., **Sherif, M.M.**, Abd-Elhamid, H.F. "Numerical modelling and control of seawater intrusion". Keynote lecture. The Symposium on Environmental Problems in the Arab World: Meeting the Challenges of Sustainable Development. 26-28 Feb 2012. Muscat, Oman. pp. 14.

Sherif M.M., Sefelnasr, A., Javadi, A., "Two-Dimensional Horizontal Simulation of Variable Density Flow in Coastal aquifers", Invited Speaker, Symposium on Water Security, Organized by Oman Research Council and the British Council Muscat, Oman, 19-21 March 2011.

Sherif M.M., "Water Availability and Quality in the UAE- Implications for Public Health", A Worldwide Scientific Conference: Global Health and the UAE- Asia-Middle East Connections, UAE University, Al Ain, 4-8 January 2010.

Sherif, M.M., Surface Water Runoff and Groundwater Recharge in Arid Regions, Book of Abstracts, 9-11 October, 2008.

Kacimov, A., Al-Jabbri, S., **Sherif, M.M**, and Al-Shidi, S., Seawater Intrusion and its Alleviation by Smart Pumping-Injection of Groundwater, Book of Abstracts, IAHR International

Groundwater Symposium: Flow and Transport in Heterogeneous Subsurface Formations: Theory, Modelling and Applications, 18-20 June 2008, Istanbul, Turkey.

Sherif, M.M., Water Availability and Demands in GCC Countries, Water Summit: Water Resources Development, Conservation and Management, 28 March 2007, Al Ain UAE.

Othman, A.K., **Sherif M.M.**, Garamoon, H.K., and Ebraheem, A. A.M., Assessment of Groundwater Resources in AlKhatm Area, Abu Dhabi Emirate, UAE, The 6th International Conference on the Geology of the Middle East, 20-22 March 2006, Al Ain, UAE.

Sherif M.M., Akram, S., Shetty, A., Ebraheem, A., and Garamoon, H., Simulation of Surface Water Runoff and Groundwater Flow in Northern Emirates, The 6th Annual Research Conference, UAE University, Al Ain, UAEU, 24 – 26 April, 2005.

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Kacimov A.R, Obnosov, Yu. V., **Sherif M.M.**, Perret J.S., Sea Water Intrusion Problem in a Coastal Aquifer with a Phreatic Surface Distributed Sink (**Abstract**), SQU Research Day, Muscat, May 2004.

Taher, M.H., **Sherif, M.M.** and El-Hossary, M., "Environmental Impacts of Saline water ponds on Oases Aquifer Systems in Egypt, ICID International Conference, Cairo, Egypt, September 1996.

h- Reports and Research Proposals (Completed/Approved):

Sherif et al., "Effect of Groundwater on Greater Cairo Antiques", Final Report, DRTPC - Cairo University, January 1992.

Singh V.P. and **Sherif M.M.**, "Development of a Two Dimensional Finite Element Model for Groundwater Contamination", Louisiana State University, Baton Rouge, Louisiana, U.S.A, June 1993.

Sherif et al., "Gain and Loss Downstream High Aswan Dam", Interim Report, Academy of Science and Technology, Ministry of Scientific Research, Egypt, October 1994.

Amer A. and **Sherif M.M.**, "Behavior of Sea Water Intrusion in the Nile Delta under Different Conditions", Report No: 32, Strategic Research Program, Sponsored by USAID/MPWWR, Egypt, September 1995.

Elansary A. and **Sherif M.M.**, "Geophysical and Geoelectrical Study for Groundwater in El-Sadaat City", Agency of New Communities, Ministry of State for New Urban Communities, Egypt, November 1995.

Sherif M.M. and Ghanem A.H., "Prevention of Water Hammer in the Main Pipe of Al-Thawra Al-Khadra Farming Area at Cairo-Alexandria Desert Road, Six October City, December, 1995.

Elansary A. and **Sherif M.M.**, "Assessment of the Impacts of the Oxidation Pond on the Domestic Water Wells in El-Sadaat City", Agency of New Communities, Ministry of State for New Urban Communities, Egypt, June 1996.

Amer A. and **Sherif M.M.**, "An Integrated Study for the Seawater Intrusion in the Nile Delta Aquifer", Strategic Research Program, Sponsored by USAID/MPWWR, Egypt, August 1996.

Sherif et al., "Gain and Loss Downstream High Aswan Dam", Final Report, Academy of Science and Technology, Ministry of Scientific Research, Egypt, December 1996.

Sherif M.M. and Singh V.P., "Groundwater Development and Sustainability in the Nile Delta Aquifer", Final Report, Binational Fulbright Commission, July 1997.

El-Nahhas F., Al-Rashed M., Szekely F., **Sherif M.**, Ebrahim M., and Ghoneim H., "Study, Design

and Construction of a Pilot Groundwater Drainage Project, WH001, Phase 3: Long-Term Operation, Monitoring and Assessment of the Drainage System at Shamiyah and Kaifan”, Three Volumes, First Interim Report, KISR 5262, Kuwait Institute for Scientific Research, Kuwait, May 1998.

Akbar A., **Sherif M.**, Ghoneim H., Al-Senafy M., and Naseeb H., “Evaluation of Current Groundwater Conditions in Al-Wafra and Al-Abdally Farm Areas, WH011K”, Progress Report KISR 5450, Kuwait Institute for Scientific Research, Kuwait, November 1998.

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El-Nahhas F., **Sherif M.**, Hadi K., and Ghoneim H., “Subsurface Water Drainage at Al-Udailiyah, Kuwait”, Proposal- Submitted to the Ministry of Electricity and Water, Kuwait, September 1999.

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Sherif M. and Akber A., “Construction and Operation of a Groundwater Drainage System at Sabah Al-Salem”, Proposal, Kuwait Institute for Scientific Research, Kuwait, August 2000.

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Sherif M., “Monitoring and Assessment of the Environmental Damage in the Groundwater-Proposal”, Cluster 1 of the Five-year Program for the Monitoring and Assessment of the Environmental Consequences of Iraq’s Aggression, Public Authority for Assessment of Compensation for Damage Resulting from Iraqi Aggression/Kuwait Institute for Scientific Research, Kuwait, June 2001.

Sherif M. and Merabtene T., “Assessment and Simulation of Groundwater Recharge at Three Selected Dams in UAE”, Research Proposal, Ministry of Agriculture and Fisheries/UAE University, UAE, May 2002.

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Al-Shorepy, S.A, El-Shishtawy, I, Salem, M.A, **Sherif, M.M.**, Sherif, S.A, "Utilization of Hyper-Saline Well Water and Salt Affected Lands in Animal Protein Production from Fish and Sheep", Interdisciplinary Research Proposal submitted to the Research Affairs, UAE University, September 2008.

Sherif, M.M., Idris, Ala Eldin and Yusuf, M.R., "Development of a GIS database for Water Resources Management in Ajman Emirate, UAE", Final Report, Research Affairs, UAE University, December 2008.

Jevadi, A., **Sherif M.M.**, Omar, M., "Seawater intrusion and the effects on groundwater quality and desalination processes considering the effect of climate change and sea level rise", A Research Project conducted in collaboration between, University of Exeter, UAE University and University of Sharjah, British Council, PMI2 Strategic Alliances and Partnerships project, March 2009.

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Sherif M.M., "Hydraulic Analysis and Leakage Assessment in Selected Zones of Al Ain Water Distribution Network", an individual research proposal submitted to the Research Affairs, UAE University, November 2009.

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Sherif M.M., et al., "Water Level due to PMF at the NPP, United Arab Emirates", Final Report, PAUL C. RIZZO ASSOCIATES, INC, Monroeville, PA, USA, August 2010.

Sherif, M.M., "Impacts of Climate Changes on Water Resources Availability and Management in United Arab Emirates", A pre-proposal submitted for possible funding, office of Vice Provost, UAE University, February 2011.

Sherif, M.M., Almehaideb, R., and Alzar'ouni, S., "Development of a Unified Registration System for Engineers in Abu Dhabi Emirate", A proposal submitted to Department of Economic Development, Abu Dhabi, March 2011.

Sherif, S.A, **Sherif M.M** and Gheblawi, M., "Optimization of Groundwater Allocation for Agricultural Practices in the Emirate of Abu Dhabi Considering Water Quality Utilization", A research proposal submitted to the National Research Foundation, UAE, April 2011.

Sherif, M.M. and Shetty, A., "A Novel Approach for Freshwater Recharge and Recovery in Saline Aquifers". First Progress Report, Research Affairs, UAE University, January 2012.

Sherif, M.M., "Evaluation of ASR Practices in UAE and Selection of Suitable Sites and Techniques of ASR in the Northern Emirates", A proposal submitted to the Ministry of Environment and Water, Dubai, UAE, February 2012.

Sherif, M.M., et al., "Assessment of Groundwater Resources and Survey of Wells", First Interim Report, Ministry of Environment and Water, Dubai, UAE, October 2012.

Sherif, M.M. "Evaluation of the ASR System and Testing of capacity Expansion, Sharjah

Emirate”, A Research Proposal submitted to Sharjah Elasticity and Water Authority, SEWA, February 2013.

Sherif, M.M., et al., “Assessment of Groundwater Resources and Survey of Wells”, Final Report: Two Volumes, Ministry of Environment and Water, Dubai, UAE, October 2013.

Sherif, M.M. “Evaluation of the ASR System and Testing of capacity Expansion, Sharjah Emirate- Cost Analysis of Aquifer Storage and Recovery Systems, Second Progress Report, Sharjah Elasticity and Water Authority, SEWA, February 2014.

Sherif, M.M. “Evaluation of the ASR System and Testing of Capacity Expansion in Sharjah Emirate- Cost Analysis of Aquifer Storage and Recovery Systems, Final Report, Sharjah Elasticity and Water Authority, SEWA, June 2014.

Sherif, M.M., et al., “HydroAtlas of United Arab Emirates”, Ministry of Environment and Water, Dubai, December, 2014.

Sherif, M.M., Ksiksi, T., Thomson, D., Neumann, E., and Abuelgasim, A.” Review of the Current Status of Climate Change Modeling in UAE and the Region”, Final Report, Ministry of Climate Change and Environment, UAE, April 2019.

Sherif M.M., Sefelnasr, A, Ebraheem, A., and others. “Injection Wells and Aquifer Recharge Study”, Final Report, Department of Urban Planning and Municipalities, Abu Dhabi Municipality. October 2019.

Sherif, M.M. et al. “Development of a Telemetry Groundwater Monitoring Network for the Emirate of Ajman”, Final Report, Ajman Municipality, November 2019.

i- Pedagogical Reports

Sherif M.M., and others “ABET: Self Study Report, Civil Engineering Program, UAE University, Volume One: Main Report, June 2009.

Sherif M.M., and others “ABET: Self Study Report, Civil Engineering Program, UAE University, Volume Two: Appendices, June 2009.

ABET: Self Study Reports, Civil Engineering Program, Architecture Engineering Program, Electrical Engineering Program, Communication Engineering Program, Mechanical Engineering Program, Chemical Engineering Program, Petroleum Engineering Program”, UAE University. As an Acting Dean of the College, Dr. Sherif supervised all activities related to preparation of the ABET reports and the Site visit. June 2015. All the 7 program received full-term accreditation.

Review of Final Reports and Research Proposals

The following final and interim reports and proposals were reviewed:

- “Integration of Drainage Technology and Plant Production Strategies for Sustainable Use of Irrigation Water in Greenery Projects”- Proposal, Kuwait Institute for Scientific Research, KISR, November 1997.
- “An Integrated Program for Water Resources Development and Wastewater Utilization in Kuwait”- Proposal submitted to Kuwait Foundation for Advancement of Science (KFAS), December 1997.
- “Water Interactions: Systems at Risk and Social Challenges”. International Hydrological Program (IHP) Phase VI, January 1998.
- “Effect of Drainage Characteristics on Quality of Freshwater Lenses in Northern Kuwait”- Proposal, KISR, January 1998.
- “Safe Utilization of Fresh Groundwater at Raudhatain and Umm Al-Aish well fields”- Proposal, KISR, February 1998.

- “Rainfall Induced Transport of Crude Oil Contaminants from Unsaturated Zone”- Final Report of the Project WH007, KISR, April 1998.
- “Assessment of Rainfall in the GCC Countries”. Proposal, KISR, April 1998.
- “Groundwater Analysis of Impact of Wells on Aquifer Systems in Kuwait”- Proposal, KISR, June 1998.
- “Expanding KISR Activities to Address Current Needs: Provision of Postgraduate Degree in Applied Science”- Proposal, KISR, September 1998.
- “Investigation of the Occurrence of Trace Metals, Hydrocarbons, and Microbes in the Groundwater of Kuwait”- First Interim Report of the project WH013C, KISR, December 1998.
- “Role of Biological Elements in the Chemical Analysis and Interpretation of Water Samples”- Proposal, KISR, February 1999.
- “Conservation of Water Resources in Kuwait through the Imposition of a New Tariff System”- Proposal, KISR, March 1999.
- “Change in Treated Wastewater Quality through Soil Aquifer Treatment-WW02C”- Interim Report, KISR, March 1999.
- “Optimum Use of Groundwater for Sustainable Irrigation in Al-Abdally Farms-WH009”- Final Report, KISR, April 1999.
- “Groundwater Assessment in Al-Rawda Area, Kuwait”- Proposal, KISR, June 1999.
- “Investigation of the Occurrence of Trace Metals, Hydrocarbons, and Microbes in the Groundwater of Kuwait”- Second Interim Report of the project WH013C, KISR, July 1999.
- “Numerical Modeling of Artificial Recharge Options for the Dammam Formation at the Pilot Recharge Site”, Final Report of the Project WH012K, KISR, August 1999.
- “Change in Treated Wastewater Quality through Soil Aquifer Treatment-WW02C”-Final Report, KISR, November 1999.
- “A Management Model for Optimum Groundwater Conservation in Al-Wafra Area”- A Proposal WH018K, KISR, December 1999.
- “Computer Analysis of Impact by Wells on Aquifer Systems in Kuwait”- A Proposal WH014K, KISR, December 1999.
- “Study of Groundwater Quality and Soil Chemistry in the Sulaibiyah Experimental Farm in Kuwait”- A Proposal, KISR, January 2000.
- “Investigation of the Occurrence of Trace Metals, Hydrocarbons, and Microbes in the Groundwater of Kuwait”- Final Report of the project WH013C, January 2000.
- “Nitrogen Content of the Groundwater in Kuwait” - A Proposal, KISR, February 2000.
- “Assessment of Groundwater Pollution from Oil Fires and Evaluation of Remedial Procedures”, Progress Report No. 5, WH019C, KISR, September 2000.
- “Virus Treatment of Tertiary Wastewater by Filtration through Soil of Sulaibiya Area, Kuwait”, A Proposal, KISR, November 2000.
- “Identification and Quantification of the Hydrocarbon Components in the Groundwater of Kuwait and the Associated Level of Toxicity”, A Proposal, KISR, December 2000.
- “The Effects of Leaching on Geochemical and Geotechnical Properties of Soil from Kuwait”, A

Report for a General Study, KISR, May 2001.

- “Enhancing Performance and Productivity of Multi-Stage Flash (MSF) Desalination Plants”, Research Proposal- Kuwait Foundation for Advancement of Sciences, FKAS, June 2001.
- “Wastewater Treatment by Microfiltration”, Research Proposal Submitted to the Kuwait Institute for Scientific Research, June 2001.
- “Artificial Recharge of Groundwater using Tertiary Treated Effluent: Laboratory Experiments and Numerical Experiments”, RG111-CES-09, King Fahd University of Petroleum and Minerals, Deanship of Scientific Research, Dhahran 31261, Saudi Arabia, November 2011.

Review of Proposals and Reports submitted to KFAS

- "Development of Decision-Support Maps for Groundwater Protection in the State of Kuwait", Kuwait Foundation for Advancement of Sciences, March 2005.
- "Evaluation of Groundwater Contamination from Sewage Network in Kuwait City", Kuwait Foundation for Advancement of Sciences, October 2006.
- "Applications of Techniques for Primary and Secondary Treated Waste Water", Final Report, Kuwait Foundation for Advancement of Sciences, September 2007.
- "Assessment of the Water Rise Problem at Al-Qurain Residential Area, Kuwait", Proposal KISR 8953, WM028K, Kuwait Foundation for Advancement of Sciences, April 2008.
- Assessment of the Effects of Anthropogenic Activities in the Northern Kuwait on Natural Groundwater Recharge, Research Proposal, KISR WM035K, Kuwait Foundation for Advancement of Sciences, November 2009.
- "Field Assessment of the use of RO-Treated Wastewater for Artificial Recharge of Damman Formation Aquifer in Kuwait", Proposal WM037K, Kuwait Foundation for Advancement of Sciences, August 2010.
- “Assessment and Predication of Urbanization impacts on Sub-Surface Groundwater Levels and Quality in Kuwait”. Project Code: 2012-2505-02, Kuwait Foundation for Advancement of Sciences, February 2012.
- “Assessment of the Water Rise Problem at Al-Qurain Residential Area, Kuwait”, Final Report, KISR 10971, WM028, Kuwait Foundation for Advancement of Sciences, April 2012.
- Assessment and Predication of Urbanization impacts on Sub-Surface Groundwater Levels and Quality in Kuwait”. Project Code: WM047C, 2012-2505-02, First Progress Report, Kuwait Foundation for Advancement of Sciences, December 2013.
- Evaluation of Surface Runoff along the Wadis of North Kuwait, Project code P316-25SE-02, Research Proposal, Kuwait Foundation for Advancement of Science, February 2017.
- Assessment and Prediction of Urbanization impacts on Sub-Surface Groundwater Levels and Quality in Kuwait, Final Report, September 2017.

Selected Seminars and Talks

Upon invitation/appointment, the following talks and presentations were delivered:

- “Groundwater: Problems and Solutions”, Water Resources Division, Kuwait Institute for Scientific Research, Kuwait, October 1992.
- “Sources of Groundwater Contamination”. Yale University, New Haven- Connecticut, USA, April 1993.
- “Seawater Intrusion in Coastal Aquifers”. Tuskegee University, Alabama, USA, May 1993.

- "Water Resources in Egypt". Meeting of the International Hydrological Programme, IHP, Nicosia - Cyprus, March 1995.
- "Behavior of Seawater Intrusion in the Nile Delta under Different Conditions". USAID/MPWWR review meeting, Cairo, Egypt, September 1995.
- "The International Hydrological Programme: An Overview". Second Meeting of the Regional Inter-Agency Task Force on Land and Water Resources", World Health Organization, Regional Office for the Eastern Mediterranean, WHO/EMRO, Alexandria, Egypt, January 1996.
- "An Integrated Study for the Seawater Intrusion in the Nile Delta Aquifer", USAID/MPWWR review meeting, Alexandria, Egypt, August 1996.
- "Artificial Recharge of Groundwater". Civil and Environmental Engineering Department, Louisiana State University, Baton Rouge, Louisiana. USA, February 1997.
- "Areal Modeling of Seawater Intrusion in the Nile Delta Aquifer Using SUTRA", US Geological Survey Headquarter Office, Reston, Virginia, USA, May 1997.
- "Groundwater Pollution from Landfill Sites", Civil and Environmental Engineering Department, Louisiana State University, Baton Rouge, Louisiana. USA, June 1997.
- "Selected Issues of Groundwater in Arid Regions", Water Resources Division, Kuwait Institute for Scientific Research, Kuwait, June 1997.
- "Development of the Hydrogeological Maps of Kuwait", Water Resources Division, Kuwait Institute for Scientific Research, Kuwait, March 1998.
- "Groundwater Recharge from Heavy Rainfall Events", Water Resources Division, Kuwait Institute for Scientific Research, Kuwait, June 1998.
- "Groundwater Drainage in the Kuwait City". Water Resources Division, Kuwait Institute for Scientific Research, Kuwait, January 1999.
- "Development, Analysis and Integration of the Hydrogeological Data in Kuwait", Kuwait Institute for Scientific Research, Kuwait, February 1999.
- "Artificial Recharge of Treated Wastewater in Al-Sulaibiyah area", Kuwait Institute for Scientific Research, May 1999.
- "Hydrogeological Aspects in the Shamiyah and Kaifan area", Kuwait Institute for Scientific Research, Kuwait, May 1999.
- "Development of a GIS Hydrogeological Database in Kuwait", Ministry of Electricity and Water, Kuwait, July 1999.
- "Climate Changes and Water Resources in Arid Regions", Dubai- UAE, February 2000.
- "Future Outlooks for Geoenvironmental Engineering in Arid Regions", Al-Ain, UAE, November 2000.
- "Water Resources Management in Arid Regions: Actions and Implementations", Kuwait, March 2002.
- "Groundwater Recharge from Dams", Ministry of Agriculture and Fisheries, Dubai, UAE, November 2002.
- "Seawater Intrusion in Single Porosity Systems", Sultan Qabous University, Sultanate of Oman, January 2003.

- "Hydrogeological Setting and Proposed Remediation for Groundwater in Wadi Ham, UAE", Department of Soil and Water Sciences, College of Agriculture and Marine Sciences, Sultan Qabous University, Sultanate of Oman, 23rd December 2003.
- "Water Resources Research Activities and Graduate Program at UAE University", UAE University, Al Ain, January 2004.
- "Water Resources Master Program of the UAE University: An Overview and Future Directions, UAE University", Al Ain, 14th May 2004.
- "Assessment and Development of Surface Water Resources in Arid Regions, SQU-Muscat", 5th February 2005.
- "Groundwater Recharge through Dams in Arid Regions", Kuwait Institute for Scientific Research, KISR, Kuwait, 16th February 2005.
- "Groundwater quality in the Coastal Aquifers of UAE, Ministry of Environment and Water, Dubai, UAE, 15th April 2006.
- "Towards Water Demand Management Era in the GCC Countries", 2nd German Arab Water Conference 21-22 April 2006, Hanover, Germany.
- "Groundwater Development in Arid Regions, Ministry of Electricity and Water", Manama, Bahrain, 18th June 2006.
- "Climate Change and Water Resources in the Gulf Cooperation Council Countries", UAE University, Al Ain, 5th December 2006.
- "Prospective of Graduate Studies at UAE University", Al Ain, March 2007.
- "Water Availability and Demands in GCC Countries, Water Summit: Water Resources Development, Conservation and Management", 28th March 2007, Al Ain UAE.
- "Artificial Recharge of Groundwater in Coastal Aquifers", Keynote Lecture, Third International Congress on Technology of Seawater Intrusion into Coastal Aquifers (TIAC'07), Almeria, Spain, 16th October 2007.
- "Water Resources Management for Environment and Human health in UAE", International Workshop on Environmental and Health Risks for Sustainability in Arid Regions, Tohoku University, Sendai, Japan, 28th January 2008.
- "The Regional Conference on "The Water Policy and Associated Technical Challenges in Arid Dynamic Environments: The Special Case of Arabian Gulf Countries" organized by University of Texas Center for International Environment and Energy and Policy, American University in Kuwait, and Kuwait Foundation for Advancement of Science (KFAS), 27-29 April 2008.
- "Environmental and Water Resources Research Priorities in UAE and Sultanate of Oman", Joint meeting, UAEU/SQU, Al Ain, 18th May 2009.
- "Water Availability and Quality in the UAE-Implications for Public Health", Global Health and the UAE- Asia-Middle East Connections, UAE University, Al Ain, 5th January 2010.
- "Water-Related Activities and Experience, College of Engineering- UAE University", Environmental Agency- Abu Dhabi, 11th March 2010.
- "Rainfall-Runoff Simulation and Groundwater Recharge in Arid Regions", College of Engineering, Mathematics & Physical Sciences, University of Exeter, Exeter, UK, 17 March 2010.
- "Future Prospective on Water Resources Demands and Conservation at UAE", World Water Day 2010, Zayed Theater, UAE University, Al Ain, UAE, 29th March 2010.
- "Two-Dimensional Horizontal Simulation of Variable Density Flow in Coastal aquifers",

Symposium on Water Security, Muscat, Oman, Organized by British Council, 19th March 2011.

- "Water Resources Vulnerability and Protection in UAE", a public lecture organized by the Environmental Agency of Ras AlKhaimh, Ras AlKhaimh Emirate, UAE, 7th April 2011.
- "Faculty Promotions: Procedures and Applications", UAE University, Al Ain, 21st September 2011.
- "Annual Orientation of University Academic Administrators", UAE University, Al Ain, 20th October 2011.
- "Groundwater Artificial Recharge in Sharjah Emirate", Sharjah Electricity and Water Authority (SEWA), 25th January 2012.
- "The Role of Partnerships in Building Research Capacity", The International Education Conference, Going Global 2012, Queen Elizabeth II Conference Center, London 14th March 2012.
- "Strategic Water Reserves in Arid Regions", Panel discussion, International Water Summit, Environmental Agency of Abu Dhabi, 15-17 January, 2013.
- "Possible impacts of Climate Changes on the Nile Delta Wetland and Aquifer", Invited Speaker, Strategic Partnership for the Mediterranean Sea Large Marine Ecosystem, UNESCO-IHP Sub-component 1.1 "management of Coastal Aquifers and Groundwater", UNESCO-Miollis, Paris, 10-11 June 2013.
- "Freshwater Storage and Recovery in Groundwater Systems", Invited Speaker, Symposium on "Disposal of large volumes of water: challenges and opportunities for arid environments in MAR practices", Water Research Center, Sultan Qaboos University, 15-16 June 2014.
- "Design and Efficiency Improvement of ASR Systems," 1st Collaboration Meeting of the Directors of Water Research Centers in GCC Countries. Kuwait Institute for Scientific Research, Kuwait, 14-15 February 2018.
- "Water Challenges in the GCC Region, with particular emphasis on the UAE", Water Stewardship Seminar, Ministry of Foreign Affairs, Swiss Agency for Development and Cooperation SDC, Embassy of Switzerland to the United Arab Emirates and Bahrain, Abu Dhabi, 24 September 2019.
- "Drainage and Control of Groundwater Table Rise in Abu Dhabi City using Injection Wells", Future Drainage and Storm Water Networks Annual Conference, Organized by Abu Dhabi Municipality, 29 – 30 September 2019
- "Water Stewardship in Complex Hydrological Contexts: Views from the Arabian Peninsula", Round table presentation and discussions, Global Water Stewardship Forum, Ten Hill Place Hotel, Edinburgh, UK, 12 – 13 November 2019.