

PROF. Mohamed S. El- Manadely

Professor, Civil Engineering Dept., King Abdulaziz University

Education

<i>Degree</i>	<i>Discipline</i>	<i>Institution</i>	<i>Year</i>
PhD	Civil Engineering	Cairo University, Egypt	1991
MS	Civil Engineering	Cairo University, Egypt	1986
BS	Civil Engineering	Cairo University, Egypt	1981

Academic Experience

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title (Chair, Coordinator, etc.)</i>	<i>Full or Part Time</i>
2018	Present	King Abdulaziz Univ.	Professor		Full Time
2012	2018	Cairo University	Professor	Chairman	Full Time
2002	2018	Cairo University	Professor		Full Time
1997	2002	Cairo University	Assoc. Prof.		Full Time
1991	1997	Cairo University	Assist. Prof.		Full Time
1986	1991	Cairo University	Lecturer		Full Time
1981	1986	Cairo University	Instructor		Full Time

Non Academic Experience

<i>From</i>	<i>To</i>	<i>Company/Entity</i>	<i>Title</i>	<i>Position description (Brief)</i>
2017	2017	Civil Engineering Research Center/ Cairo University.	Consultant	Responsible for preparing all reports and documents for the study of protection against flash floods for the proposed railway lines connecting Ain Sokhna- New Administration Capital- 6 th of October City, Borg El Arab City- Alalmane City, Egypt.
2016	2016	Center of Studies and Design of Water Projects/ Cairo University	Consultant	Responsible for preparing all reports and documents for protection of Black Carbon Factory, Beni Suef, Egypt against flash floods.
2016	2016	EGEC House of Experts FOR Dar El Riyadh	Consultant	Preparing the hydrology report for flash floods protection of King Abdul Aziz City for Science and Technology, Riyadh, KSA.
2013	2015	INFRA for Engineering	Consultant	Preparing comprehensive consultancy studies for rainwater drainage and flash

		Consultation FOR National Consultants		floods protection for cities, districts, villages and hajars of Riyadh districts governorates – Contract 7 (Dawadmi and Afif Governorates), First and Second reports, Riyadh Agency for Districts Municipal Affairs
2011	2015	INFRA for Engineering Consultation FOR Dar El Riyadh	Consultant	Preparing comprehensive consultancy studies for rainwater drainage and flash floods protection for cities, districts, villages and hajars of Riyadh districts governorates – Contract 4 (Kharge, Hota Bani Tamim and Al Hariq Governorates), First and Second reports, Riyadh Agency for Districts Municipal Affairs, KSA
2009	2015	Dar for Engineering Consultation FOR National Consultants	Consultant	Preparing studies and designs for rainwater drainage and flash floods prevention projects, Tabarjal City, Jouf District, Ministry of Municipal and Rural Affairs KSA
2008	2013	Zohair Fayez and Partners AND INFRA for Engineering Consultation	Consultant	Hydrologic, hydraulic, environmental and economic studies of 20 dams in different locations in KSA, Ministry of Water and Electricity, KSA

Certifications and Professional Registrations

Consultant Engineer in the field of Design of Irrigation and Drainage Works, Egyptian Syndicate of Engineers, No. 2698/1. Since 1996

Current Membership in Professional Organizations

<i>Member Since</i>	<i>Rank</i>	<i>Society/organization</i>
1981	Senior Member	Egyptian Syndicate of Engineers
1990	Working Member	Egyptian Society of Engineers/ Civil Engineering Division
2020	Member	Saudi Society of Civil Eng.

Honors and Awards

1. **2000** Professor El- Assuity Prize for Development and Protection of Water Resources, Granted by Academy of Scientific Research and Technology, Egypt.
2. **2012** Supervising Best M. Sc. Thesis in Cairo University, Egypt.

Service activities (within and outside of the institution)

1. Supervisor of 8 Awarded Ph. D. thesis and 18 Awarded M. Sc. thesis.
2. Member in the Committee for Promotion of Associate Professors and Professors in the National Water Research Center, Ministry of Water Resources and Irrigation. 2016- 2018
3. Member in the Editorial Board of the Nile Water Science and Engineering Journal, Publisher NBCBN, ISSN: 2090-0953.
4. Referee for the Committee for Promotion of Associate Professors and Professors in the Egyptian Universities (Water Resources).
5. Member in the committee that prepared the "Egyptian Code for Surface and Subsurface Road Drainage", Ministry of Construction and Rehabilitation. First edition 1999 and Second edition 2007. Worked in the third edition 2018.
6. Manager of the Irrigation and Hydraulics Laboratory, Cairo University. 2007- 2018
7. Executive Director of the Accreditation (ISO 17025) of the Irrigation and Hydraulics Laboratory, Cairo University. 2011- 2018
8. Member in the Faculty of Engineering Council. 2011- 2018.
9. Member in the Irrigation and Hydraulics Department Council 1997- 2018 and Chairman of the Department 2012- 2018.

Principal Publications/Presentations from the Past Five Years

1. El-Manadely M. S., "Flash Floods Mitigation for Al Kharj City, KSA: Case Study", the Fourth International Symposium on Flash Floods in Wadi Systems, Morocco, December 2018.
2. El-Manadely M. S., "Sediment Transport Estimation and Mitigation Measures in Wadi Abadi, Eastern Desert, Egypt", the Third International Symposium on Flash Floods in Wadi Systems, Sultanate of Oman, December 2017.
3. El-Manadely M. S., Aziz M. S. and Negm D. A., "Navigation Waterway for Lake Nasser/Nubia on the Nile River", Lakes and Reservoirs Research and Management, Doi: 10.1111/lre.12195, © 2017 John Wiley & Sons Australia, Ltd.
4. Abbas M. M., Shehata A. H., Helmi A. M. and El- Manadely, M. S., "Investigation of Optimum Collar Effect on Local Scour Reduction Around Single Cylindrical Bridge Pier", Civil Engineering Research Magazine, Faculty of Engineering, Al - Azhar University, 2016.
5. Abbas M. M., Shehata A. H., Helmi A. M. and El- Manadely, M. S., "Collar Effect on the Local Scour Around Single Cylindrical Bridge Pier", Civil Engineering Research Magazine, Faculty of Engineering, Al - Azhar University, 2016.
6. Gaber, E.I., El-Manadely, M.S., Gomaa, H.A., Haggag, M.E. and El-Mahdy, M.E, "Disaggregation of Monthly Satellite Rainfall Data (GPCC) to Daily Using Stochastic Analysis, Modeling, and Simulation (SAMS) Model Over Eastern Nile Basin", Conference Institute of African Research and Studies, Cairo University, 2016.

7. Gaber, E.I., El-Manadely, M.S., Gomaa, H.A., Haggag, M.E. and El-Mahdy, M.E, "Best Satellite Rainfall Data for Eastern Nile Basin", Conference Institute of African Research and Studies, Cairo University, 2016.
8. Takele Z., Mousa A. M., and El- Manadely M. S., "Prediction of Sediment Inflow for Angereb Dam Reservoir Using SRH-1D Sediment Transport Model", ILEC Journal of Lakes and Reservoirs Research and Management, Blackwell Science, Asia, 2013.

Recent Professional Development Activities

1. "Sediment Extraction and Utilization from Lake Nasser-Nubia", PI of Development Research and Technological Planning Center (DRTPC), Cairo University. Submitted to Nile Water Sector, Egypt. Funded by Global Environmental Facility (GEF), 2013- 2015.
2. "Management Framework for Lake Nasser-Nubia", PI of Development Research and Technological Planning Center (DRTPC), Cairo University. Submitted to Nile Water Sector, Egypt. Funded by Global Environmental Facility (GEF), 2015.
3. Teaching in semi- annual "Open Channel Hydraulics Training Course", Ministry of Water Resources and Irrigation, Egypt. 2013- 2017.
4. Teaching in annual "River Hydraulics Training Course", Hydraulics Research Institute, Ministry of Public Works and Water Resources. Until 2013.
5. Many workshops in Egypt, Sudan and Ethiopia within the "Nile Basin Initiative: Eastern Nile". Until 2014.
6. Member in the scientific committee for the Fourth International Symposium on Flash Floods in Wadi Systems, Morocco, December 2018.