

# Mohamed Gamal M. Abdalla

## Associate Professor

### EDUCATION

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- **Ph.D.**, Philosophy in Engineering in Irrigation and Hydraulics Engineering, Channel System University of El-Mansoura & the University of Salford - Manchester, England in 1996.
- **M.Sc**, Master of Science in Engineering in Irrigation and Hydraulics Engineering, Faculty of Engineering, University of El-Mansoura, 1990.
- **B.Sc.**, Science in Irrigation and Hydraulics Engineering, Faculty of Engineering, University of El-Mansoura, 1985.

### ACADEMIC EXPERIENCE (FULL-TIME)

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- **Associate Professor) Total** assignment ( Dept. of Civil engineering, Higher Nile Institute for Engineering and Technology in Mansoura, 2018 – Present
- **Associate Professor**, Department of Irrigation and Hydraulics Engineering - Faculty of Engineering, El-Mansoura University, from June 2011 – 2018.
- **Assistant Professor**, Department of Irrigation and Hydraulics Engineering - Faculty of Engineering, El-Mansoura University, from 1996 – 2011.
- **Assistant Lecturer**, Department of Irrigation and Hydraulics Engineering - Faculty of Engineering, El-Mansoura University, from 1990 – 1996.
- **Teaching Assistant**, Department of Irrigation and Hydraulics Engineering - Faculty of Engineering, El-Mansoura University, from 1985 – 1990.

### TEACHING EXPERIENCE

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Teaching and participation in teaching of many engineering subjects for students in different grades at the university of el-Mansoura, Egyptian universities and Arab universities and these subjects are: -

- Civil engineering drawing.
- Irrigation and drainage engineering.
- Fluid mechanics i, ii.
- Hydraulics of open channels.
- Design of heading-up structures and dams.
- Design of irrigation works (intersection structures).
- Surface water hydrology.
- Groundwater hydrology.
- Pollution of the environment and methods of protection.
- Graduation projects for students of bachelor.
- Courses qualifying for the diploma and master's degrees.
- Supervise the graduate students (ms'c, diploma and ph degrees).

## **SERVICE ACTIVITIES (INTERNAL AND EXTERNAL)**

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- Head of Irrigation Engineering and Hydraulics Department -Faculty of Engineering, El-Mansoura University, 2012.
- Deputy director of the building and construction program (BCE), faculty of engineering, Mansoura University.
- Director of the laboratories at the faculty of engineering - Mansoura University, 2013.
- Associate member status of the studies and research and consulting engineering faculty of engineering, el-Mansoura.
- Member of the executive committee of the unity of security and quality.
- Coordinator for the project international AHELO.
- Member of the education and student affairs college in 1997-1998.
- Member of the time table committee for the year 1997 to 2002. And a member of the environment committee for the year 2012-2014
- Member of the libraries in 2000 and 2008, 2009 and 2010, member of the committee for cultural relations in 2013-2014.
- Associate member of control work for the years to various school faculty from 1996 until now.
- Member of the scientific college of engineering – el- Mansoura University.
- Member of syndicate of engineers since 1985.
- Having the educational courses for university teacher preparation (1996).
- Participate in the development and implementation of the program to develop technical education industry.
- English language proficiency as well as full use of the computer and many computer programs required in the area.
- Participate in most activities of the program CQAP a special program for the College of Engineering, El-Mansoura University, accreditation and quality of the National Authority for accreditation and quality.
- Presence of 15 special courses for capacity development of members of the Staff according to the standards of quality assurance from El- Mansoura university development center (UDC).
- Participate in the committees responsible for the adoption of standards for quality.
- Participate in the committee formed for internal audit, civil engineering and electrical engineering programs.

## **NON-ACADEMIC EXPERIENCE (Part Time)**

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- Subscribe to supervise the implementation of many university structures such as hospital renovations and the total and the Education Faculty and the establishment of the new College of Pharmacy and the building of new laboratories at the Faculty of Engineering – El-Mansoura University, Animal House annex building, Faculty of Pharmacy, Mansoura University, and the third phase of the buildings in the University of Damietta, New Damietta.
- Participate in the examination and preparation of engineering reports, many of the Center for Research and Consulting Engineering, Faculty of Engineering – EL-Mansoura University.

- Supervision of special projects such as road construction and the port of Damietta, New Damietta, Kafr El-Sheikh, and El-kharbya.
- Implementation of water projects and structures for the area near the Olapsho Gamasa and private land reclamation.

### **SELECT PUBLICATIONS/PRESENTATIONS**

- Zidan, A. R. ; El-Gamal , M. A.; Abd-Alla , M. G. and Gad, M. H , “Study of Compound Transition in Open Channels. ”, Al-Azhar Engineering , 2014.
- Ahmed O. Ahmed, S. Khalaf, M.G. Abdalla and A.A. Elmasry, "Groundwater Management In Wadi El Natrun Pliocene Aquifer, Egypt", International Journal of Scientific & Engineering Research, ISSN: 2229-5518, Vol. (6), No. (9), pp: 291- 302, 2015.
- Zidan, A.R., Abdalla M.G, Khalf S. and Saqr, A.M., “Kinetic Energy and Momentum Coefficients for Egyptian Irrigation Canals.”, Mansoura Engineering Journal, (MEJ). ISSN: 1110-0141, Vol. 41, No. 1, pp. C1-C16, March 2016.
- Zidan, A.A. , El-Alfy, K.S. , Abdalla, M.G. and El-Gamal, M.I., "Numerical Modeling of Flow Characteristics for A Reach Reach From Damietta Branch Using K-E Turbulence Model", Mansoura Engineering Journal, (MEJ). ISSN: 1110-0141, Vol. 41, No. 1, March 2016.
- M.G. Abdalla , M. Abd Elhady and M. Wahba, “Studying Scour Hole Development Around Rectangular Bridge Piers.”, Mansoura Engineering Journal, (MEJ). ISSN: 1110-0141, Vol. 41, No. 1, March 2016.
- Mohamed Gamal Abdalla, "Vertical Water Velocity Distribution Using Fine Different Sediment Concentrations in Circular Open Channel", Journal of Water Resources and Ocean Science, USA, New York, Vol. 5, No (6), pp. 93 – 103, ISSN: 2328-7969 (Print); ISSN: 2328-7993 (Online), 2016.
- Mohamed Gamal Abdalla, "A Study on Scour for Irrigation Canals in Egypt, “Case Study: The First Reach Of El-Ibrahimeya Canal”, American Journal of Engineering and Technology Management, doi:10.11648/j.ajetm.20160104.12, Vol. (1), No. (4), 2016..
- Mohamed Gamal Abdalla, "Calculating Drag Coefficient Of Different Submerged Vegetation Densities In Open Channel", International Journal of Engineering Research and General Science, ISSN: 2091-2730, Vol. (5), No. (1), 2017.
- Khalaf S\*, Ahmed AO, Abdalla MG and El Masry AA, “Identification of Hydraulic Parameters of Wadi El Natrun Pliocene Aquifer Using Artificial Neural Network.”, Hydrology Current Research, Volume 8 • Issue 1 • 1000267, ISSN: 2157-7587, doi: 10.4172/2157-7587.1000267,2017.
- A. R. Zidan, M. G. Abdalla, S. Khalaf, and A. M. Saqr, “Resistance Equations for Egyptian Irrigation Canals", (Case Study: ‘Dakahliya Governorate’)", International Water Technology Journal (IWTJ), Vol. 7, No. 2, pp. 73-90., June 2017,
- M.M. El-Gamal, K.S. El-Alfy, M.G. Abdalla, F. Abdelhaleem and A.M. Elhamrawy, “Restoring Water and Salt Balance of Qarun Lake, Fayoum, Egypt.”, Mansoura Engineering Journal, (MEJ). ISSN: 1110-0141, Vol. 42, No. 4, Des. 2017.
- Mohammed Gamal Abdalla, “Studying Scour Hole Development Around Tapered Downward Bridge Piers.”, under publication.
- Zidan, A. R. ; El-Gamal , M. A.; Abd-Alla , M. G. and Gad, M. H, “Study Of Energy And Momentum Coefficients for Compound Transitions in an Open Channels.”, under publication.