

PERSONAL DATA

Name: Mohammad Mahmoud Mohammad Ibrahim
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Current Job: Professor of hydraulics, Civil engineering department,
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EDUCATION

Degree	PhD, in water resources and hydraulics, Shoubra Faculty of Engineering, Banha University.	2010
Title	Optimum Use of Oriented Spur Dikes to Minimize the Impact of Diversion Channel at the Barrages	
Degree	MsC, in water resources and hydraulics, Shoubra Faculty of Engineering, Banha University.	2005
Title	Hydrodynamic Behaviour of Bank Protection Structures (Groins)	
Degree	Master of Science in water resources and hydraulics, Shoubra Faculty of Engineering, El-Zagazig University, Banha branch.	2004
Grade	Good	
Degree	Bachelor of Civil Engineering, Shoubra Faculty of Engineering, Banha University.	2002
Grade	Very good (with degree of honors)	

CAREER

Instructor-	Shoubra faculty of Engineering, Benha University	2003
Teaching assistant-	Shoubra faculty of Engineering, Benha University	2006
Lecturer-	Shoubra faculty of Engineering, Benha University	2010

Professor Associate- Shoubra faculty of Engineering, Benha University	2016
Head of civil engineering department, Pyramids higher institute for engineering	2016
Academic advisor, engineering and management of construction sites program	2021
Program coordinator, Building and construction engineering program	2022
Full professor of hydraulics	2024

ACADEMIC EXPERIENCE

Partial secondment – civil engineering department, faculty of engineering, MUST University.	2022
Partial secondment – civil engineering department, International Academy For Engineering & Media Science - IAEMS	2022
Full secondment – Head of civil engineering department, Pyramids higher institute for engineering	2016-2021
Partial secondment – civil engineering department, Pyramids higher institute for engineering	2013-2016
Partial secondment – civil engineering department, Elsafwa higher institute for engineering	2012-2014
Partial secondment – civil engineering department, Tibas higher institute for engineering	2012-2015
Partial secondment – civil engineering department, Elshrouk higher institute for engineering	2011-2012

TEACHING EXPERIENCE

For undergraduates:

- Fluid mechanics
- Hydraulics
- Irrigation and drainage
- Design of irrigation structures
- Coastal engineering
- Special topics in water resources
- Engineering drawings

For postgraduates:

- Hydraulic modeling
- Hydrodynamics
- Advanced fluid mechanics
- Advanced coastal engineering
- Computational fluid mechanics

SKILLS

Computer Skills

- ✓ Full coupling of computer operating systems under windows.
- ✓ Full coupling of AutoCAD drawing program.
- ✓ Excellent experience in Hydraulic programs like, Iric, and SUITE.
- ✓ Very good command of using Microsoft Office programs Excel, Word, and Power point.
- ✓ Excellent knowledge in using internet.

Language Skills

- ✓ Very good command of spoken and written English
- ✓ Well knowledge of French

Personal Skills

- ✓ Able to learn new tasks quickly.
- ✓ Time management and organization skills.
- ✓ Persuasive, work effectively in team environment.
- ✓ Good presentation skills.

TRAINING COURSES

Course	Center or conference organizer	From	To
Organizing scientific conferences	Faculty and Leadership Development Center, Benha University	4/8/2021	5/8/2021
Integrity and transparency		4/8/2021	5/8/2021
Self-assessment and external review		13/7/2021	14/7/2021
Website management		13/7/2021	14/7/2021
Question banks and electronic tests		24/3/2021	25/3/2021
Port planning and infrastructure design	UNESCO, IHE, Delft, The Netherlands	1/2/2021	19/2/2021
Coastal systems	UNESCO, IHE, Delft, The Netherlands	11/2/2019	1/3/2019
Advanced spreadsheets	Information and communication technology project (ICTP), Benha University	16/4/2016	18/4/2016
Financial and legal aspects	Faculty and Leadership Development Center, Benha University	10/4/2016	12/4/2016
Laboratory Safety		3/4/2016	5/4/2016
Statistical analysis		20/3/2016	22/3/2016

Course	Center or conference organizer	From	To
Websites administration		13/3/2016	15/3/2016
Self-assessment and internal audit		6/3/2016	8/3/2016
Urban Water Systems	UNESCO, IHE, Delft, The Netherlands	8/6/2015	28/6/2015
Learning and curriculum maps outputs	Training National Authority to ensure the quality of education and accreditation administration	24/10/2016	28/10/2016
Preparation of university lecturer	Faculty of education	14/11/2009	25/11/2009
Word processing	Information and communication technology project (ICTP), Benha University	4/8/2007	10/8/2007
Introduction to PC maintenance and protection		24/7/2007	30/7/2007
Spreadsheets		21/7/2007	27/7/2007
Using computers and managing files		14/7/2007	20/7/2007
Concept of IT		7/7/2007	13/7/2007
The use of technology in teaching	Faculty and Leadership Development Center, Benha University	9/7/2007	11/7/2007
Code of Ethics		25/6/2007	27/6/2007
Windows operating system	The computer center at Shoubra Faculty of Engineering	27/1/2003	20/2/2003

SCIENTIFIC SUPERVISION

Participation in the supervision of the number (11) Master students (Seven has discussed the thesis, and granted the degree and the others are underway in the thesis) – Water resources- Civil Engineering Department - College Shoubra faculty of Engineering, Benha University. Sex (6) PhD student- Water resources- Civil Engineering Department - College Shoubra faculty of Engineering, Benha University. (1) PhD + (1) Master students, Water resources- Civil Engineering Department - College Elmataria faculty of Engineering, Helwan University.

ACADEMIC QUALITY ASSURANCE

- ✓ Coordinator of financial resources and supporting facilities academic standard, engineering and management of construction sites program.
- ✓ Coordinator of Academic Standards, engineering and management of construction sites, and civil engineering programs.

- ✓ Coordinator of civil engineering program, Pyramids higher institute for engineering

PREQUALIFICATIONS

In Scientific Research

- ✓ Excellence Award in Scientific Publication, 2022
- ✓ Excellence Award in Scientific Publication, 2022
- ✓ Excellence Award in Scientific Publication, 2021
- ✓ The first prize for the best research in hydraulics, Alex. International conference, 2006

List of publications

1. **Mohamed M. Ibrahim**, Al Sayed Ibrahim Diwedar, Ahmed M. Ibraheem, Noha F. Fathallah & Amir Ibrahim "Bed configurations downstream combined V- Notch-sharped edged Weir with inverted V-Shaped gate", ISH Journal of Hydraulic Engineering, Vol 30 (2), 2024. <https://doi.org/10.1080/09715010.2023.2290102>
2. Ibrahim M.M., Yasser M. El-Elsaie, Yara A. Zaki, and Ibrahim M. Mahdi "Factors Impact on Choice of Suitable Water Resource", YMER, Vol 22 (12), 2024. [10.37896/YMER22.12/56](https://doi.org/10.37896/YMER22.12/56)
3. **Mohamed M. Ibrahim**, Mahmoud A. Refaey, Hadeer M. Hashem, Ahmed M. Ibraheem "Evaluation of angled splitters as scour countermeasure at circular piers", Alexandria Engineering Journal, AEJ, May 2023, Vol 74 (1). <https://doi.org/10.1016/j.aej.2023.05.067>
4. **M.M. Ibrahim**, Ahmed Ashmawy, M. Dalia, Mahmoud A. Refaey "Numerical investigation of the effect of hot-water outlet inclination angle on the temperature dilution in open channel flow. Ain Shams Engineering Journal, ASEJ, Available online 22 March 2023. <https://doi.org/10.1016/j.asej.2023.102234>
5. Fahmy Salah Abdelhaleem, **Ibrahim M. Mohamed**, Ibrahim G. Shaaban, Atiyeh Ardakanian, Wael Fahmy, Amir Ibrahim "Pressure-Flow Scour under a Bridge Deck in Clear Water Conditions" Water 2023, Vol 15 (3), 404. <https://doi.org/10.3390/w15030404>
6. Neveen B. Abdel-Mageed, Ashraf Ghanem, Ibrahim G. Shaaban, Atiyeh Ardakanian, **Mohamed M. M. Ibrahim**, Mohamed Elgamal "Effect of Using a Passive Rotor on the Accuracy of Flow Measurements in Sewer Pipes Using a Slug Tracer-Dilution Method" Water 2023, Vol 15 (2), 369. <https://doi.org/10.3390/w15020369>
7. Alsayed I. Diwedar, Lamia Mamdouh, **M.M. Ibrahim** "Hydraulics of combined triangular sharp crested weir with inverted V-shaped gate", Alexandria Engineering Journal, AEJ, October 2022, Vol 61 (10). <https://doi.org/10.1016/j.aej.2022.01.059>
8. **M.M.Ibrahim**, A.Helmy, M.A.Alafrawi, A.N.El-Hazek "Using nanomaterial to minimize the local scour downstream of sluice gate" Alexandria Engineering Journal, AEJ, April 2022, Vol 61 (4). <https://doi.org/10.1016/j.aej.2021.08.035>
9. **M.M.Ibrahim**, Mahmoud A.Refaie, Ahmed M.Ibraheem "Flow characteristics downstream stepped back weir with bed water jets" Ain Shams Engineering Journal, ASEJ, March 2022, Vol 13 (2). <https://doi.org/10.1016/j.asej.2021.08.003>

10. **Mohamed M. Ibrahim**, Al Sayed Ibrahim Diwedar, Ahmed Mahmoud Ibraheem, "Assessment of submerged floor water jets to minimize the scour downstream from a stepped spillway", Journal of Water and Land Development, JWLD, 2021, No. 50 (VI–IX): 122–129. [DOI: 10.24425/jwld.2021.138167](https://doi.org/10.24425/jwld.2021.138167)
11. E.Sh.Muhammad, **M.M.Ibrahim**, Ashraf El-Sayed "Effects of drain depth on crop yields and salinity in subsurface drainage in Nile Delta of Egypt", Ain Shams Engineering Journal, ASEJ, June 2021, Vol 12 (2). <https://doi.org/10.1016/j.asej.2021.01.008>
12. **Mohamed M. Ibrahim**, Mahmoud A.R. Eltoukhy, Adnan D. Ghanim, "Flow characteristics after installation of floating bridge in open channel", Journal of Water and Land Development, JWLD, 2021, 49 (IV–VI): 244–251. [DOI: 10.24425/jwld.2021.137118](https://doi.org/10.24425/jwld.2021.137118)
13. Adnan D.Ghanim, **M.M.Ibrahim**, Mohamed A.Hassan "Effect of floating bridges on bottom topography", Ain Shams Engineering Journal, ASEJ, March 2021, Vol 12 (1). <https://doi.org/10.1016/j.asej.2020.09.013>
14. Rehab Hefny, **M. M. Ibrahim** and Dalia Morad "Study of Adsorption Performance of Biochar for Heavy Metals Removal" Journal of Engineering Research and Reports, December 2020, Vol 19 (4): 27-40, [DOI: 10.9734/JERR/2020/v19i417239](https://doi.org/10.9734/JERR/2020/v19i417239)
15. **Ibrahim M. Mohamed**, Fahmy S. Abdelhaleem "Flow Downstream Sluice Gate with Orifice" KSCE Journal of Civil Engineering, 2020, Vol 24 (12): 3692-3702, [DOI 10.1007/s12205-020-0441-3](https://doi.org/10.1007/s12205-020-0441-3)
16. **M.M.Ibrahim** "Effect of Angled Submerged Vanes on Bed Morphology Downstream Sluice Gate" Journal of Scientific Research and Reports, JSRR, March 2019, Vol 22 (4). <http://dx.doi.org/10.9734/jsrr/2019/v22i430094>
17. **Ibrahim M. M** and Bahgat M. "Sediment Control In-Front of El-Kureimat Power Plant Intakes", Journal of American Science; 2019, Vol 15 (1), [DOI: 10.7537/marsjas150119.04](https://doi.org/10.7537/marsjas150119.04)
18. **M.M.Ibrahim** "Improve the Efficiency of Stilling Basin Using Different Types of Blocks" American Journal of Engineering Research (AJER), 2017, Vol. 6 (8), pp. 295–304. [https://www.ajer.org/papers/v6\(08\)/ZJ0608295304.pdf](https://www.ajer.org/papers/v6(08)/ZJ0608295304.pdf)
19. Fahmy Salah Abdelhaleem, Ahmed Mostafa Amin, **Mohammad Mahmoud Ibraheem** "Updated regime equations for alluvial Egyptian canals", Alexandria Engineering Journal, Volume 55, Issue 1, March 2016, Pages 505-512
20. **M. M. Ibrahim** " Bed Configurations of Downstream Sharp Crested Weir with Orifices", Journal of Scientific Research & Reports, 2016, 9 (2), pp. 1:16
21. Abdel Azim Mohamed Ali, **Mohamed Ibrahim**, and A. I. Diwedar " The Discharge Coefficient for a Compound Sharp Crested V-Notch Weir", Asian Journal of Engineering and Technology, October 2015, 3 (5), pp. 494:501
22. Gamal Elsaeed, Hossam Elersawy, **Mohammad Ibraheem**, Fatma Samir, "Bridge pier Scour Evaluation in Meandering Channels", Journal of The International Association of Advanced Technology and Science, September 2015, Vol.16
23. Gamal Elsaeed, Hossam Elersawy, **Mohammad Ibrahim**, " Scour Evaluation for the Nile River Bends on Rosetta Branch", Advances in Research, June 2015, 5 (2), pp. 1:15

24. Gamal Elsaeed, **Mohammad Ibrahim**, Hossam Elasersawy "Bed Shear Stress Evaluation at the Nile River Bends on Rosetta Branch" ARPN Journal of Science and Technology, April 2015, 5 (4), pp. 179:189
25. **Mohammad Mahmoud Ibrahim** "Bed profile downstream compound sharp crested V-notch weir", Alexandria Engineering Journal, April 2015, Vol. 54, pp. 607:613
26. Mahmoud Ali R. Eltoukhy and **Mohammad Ibrahim** "Velocity Distribution Downstream compound Weirs", Australian Journal of Basic and Applied Sciences, January 2015, 9 (1), pp. 238:245
27. **M.M. Ibrahim**, Neveen B. Abdel-Mageed "Effect of bed roughness on flow characteristics", International Journal of Academic Research, 2014; 6 (5), pp. 169: 178
28. **Ibrahim M. M.** "A hydraulic study of sharp crested weir with orifices" Mansoura Engineering Journal, 2014; 39 (3), pp. C.1:C.13
29. **Ibrahim M. M.** "Local bed morphological changes due to oriented groins in straight channels", Ain Shams Engineering Journal, 2014; Vol.5, pp. 333:341
30. **Ibrahim M. M.** "Experimental Study to Investigate the Flow Pattern Associated to Angled Groins", Journal of American Science 2012; 8(10), pp. 313:322
31. Ali Talaat, Karima Attia, Gamal Elsaeed, **Mohammad Ibraheem** "Implementation of Spur Dikes to Reduce Bank Erosion of Temporary Diversion Channels During Barrages Construction", Australian Journal of Basic and Applied Sciences, 2009, 3(4), pp. 3190-3205
32. Published online book at Amazon titled under "Groins Impact in Open Channels at Naga Hammadi" **ISBN-10: 3846559237**