

Dr. Mahmoud Saad

CURRICULUM VITAE



1-Personal Data

Name : *Mahmoud Ebrahim Saad Ebrahim Khalil*
Current Position: *Assistant Professor – Irrigation and Hydraulics Dep. – Faculty of Engineering – Mansoura University.*
Work Address: *Irrigation and Hydraulics Dep. – Faculty of Engineering – Mansoura University.*
Date of Birth: *02 / 02 / 1988*
Place of Birth: *Mansoura, Egypt*
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2-Education & Degrees

2014 – 2022 : Ph.D. Degree in Civil Engineering (Irrigation and Hydraulics),
Faculty of Engineering, Mansoura University, Mansoura, Egypt.
Thesis: "**Sedimentation Problems in Navigation Channels**"
2010 – 2014 : M.Sc. Degree in Civil Engineering (Irrigation and Hydraulics),
Faculty of Engineering, Mansoura University, Mansoura, Egypt.
Thesis: "**Improvement of Submerged Breakwater Efficiency** "
2004 - 2009: B. Sc. In Civil Engineering, Faculty of Engineering, Mansoura
University, Mansoura, Egypt.
With grade 86.85 % (Excellent - 5th)

3-EMPLOYMENT HISTORY

28th February 2022 – till Now : Assistance Professor
Irrigation and Hydraulics Dep.
Faculty of Engineering -Mansoura University
2014- 28th February 2022 : Assistance Lecturer
Irrigation and Hydraulics Dep.
Faculty of Engineering -Mansoura University
2010- 2014: Demonstrator
Irrigation and Hydraulics Dep.
Faculty of Engineering -Mansoura University

4-Personal Skills

Software

- Numerical Model & Remote sensing: SMS & Flow 3d & Arc-GIS
- Engineering Programs (Autocad -Sap 2000 -Safe – Etabs- L-Pile)
- Microsoft Office

Languages

- Arabic: Mother tongue
- English: Very Good.

5-Training Courses

“Crisis management and negotiation”

Provider: Nasser Higher Military Academy

Date: September 2022

“Strategic studies and national security”

Provider: Nasser Higher Military Academy

Date: July 2022

“Public Speaking Skills”

Provider: DAAD

Date: June 2022

“How to write project proposals and build companies”

Provider: Federation of Egyptian Industries

Date: June 2022

“Design the Personal Websites for faculty members”

Provider: University Development Center

Date: May 2020

Strategic studies and national security

“References Management and Indexed Electronically”

Provider: University Development Center

Date: April 2020

“Electronic Exams”

Provider: Mansoura University Measurement and Assessment Center

Date: December 2019

“Preparing the test item”

Provider: Mansoura University Measurement and Assessment Center

Date: November 2019

“Preparing Questions bank”

Provider: Mansoura University Measurement and Assessment Center

Date: November 2019

6-Teaching Experience

Teaching for Undergraduate student the following courses :

- **Civil Drawing** for Level 100 (Building and Construction Engineering program - Faculty of Engineering , **Mansoura University**).
- **Civil Drawing** for Level 000 (Building and Construction Engineering program - Faculty of Engineering , **Mansoura National University**).
- **Engineering Drawing** for Level 000 (Building and Construction Engineering program - **Faculty of Engineering , Mansoura National University**).
- **Civil and Architectural Drawing by Autocad** for Level 200 (Building and construction engineering program - Faculty of Engineering , **Mansoura University**)
- **Communication and presentation skills** , 1st year Civil Engineering (Faculty of Engineering , **Mansoura University**).
- **Fluid Mechanics** , 2nd year Civil Engineering (Faculty of Engineering , Mansoura University).
- **Hydraulics 2** , 3rd year Civil Engineering (Faculty of Engineering , **Mansoura University**)
- **Design of Coastal Protection Works** , 4th year Civil Engineering (Faculty of Engineering , **Mansoura University**).
- **Inland Navigation** , 4th year Civil Engineering (Faculty of Engineering , **Mansoura University**).
- **Main Supervisor for B.SC project of Harbour Engineering and inland Navigation (2022- 2023 & 2023-2024).**

Teaching for Postgraduate student the following courses:

- **Ports and Waterways**, Diploma of Coastal and Ports Engineering program (Faculty of Engineering , Mansoura University).
- **Design of Marine Structures**, Master of Irrigation and Hydraulics Engineering program (Faculty of Engineering, Mansoura University).
- **GIS and Remote Sensing Application for Coastal Engineering**, Master of Irrigation and Hydraulics Engineering program (Faculty of Engineering, Mansoura University).

Teaching the following Training courses

- **Presentation Skills**, University Development Centre, Mansoura University.
- **Communication skill for different learning styles**, University Development Centre, Mansoura University.
- **Basics of Harbour Engineering**, Egyptian National Institute of Transport, Ministry of Transportation .

Teaching the following engineering Programs courses:

(**Autocad , Sap2000, Structural Design- Etabs – Safe**) at :

- Virtual Lab – Faculty of Engineering
- ITC Company – Faculty of Engineering
- Dakahlia Engineers Syndicate

7- Academic Experience

- **Director of Engineering Lab Unit**, Faculty of Engineering, Mansoura University, Since November 2023.
- **Faculty Coordinator for Electronic Exam centre**, Faculty of Engineering, Mansoura University, Since July 2023.
- **Member at Electronic Correction Unit**, Faculty of Engineering, Mansoura University, Since June 2022.
- **Member at Quality Assurance Unit-** Faculty of Engineering, Mansoura University.
- **Department Coordinator for Quality works - Irrigation& Hydraulics Dep.**, Faculty of Engineering, Mansoura University.
- **Department Coordinator for Field Training Unit** , Faculty of Engineering, Mansoura University.
- **Reviewer** at American Journal of Water Science and Engineering.
- **Reviewer** at Journal of the Society for Social Work and Research.

8-Publications

“IMPROVE EFFICIENCY OF SUBMERGED BREAKWATERS BY USING SLOTTED WAVE SCREENS”

O. S. Rageh; M. El-Gamal and M. Ib. Saad Seventeenth International Water Technology Conference (IWTC2013) , Istanbul,Turkuy,November,2013.

“Experimental Study on Improving the Efficiency of Submerged Breakwaters By Using Vertically Slotted Wave Screens”

O. S. Rageh; M. El-Gamal and M. Ib. Saad , Journal of Al Azhar University Engineering Sector, Oct., 2014.

“Experimental Study on Improving the Efficiency of Submerged Breakwaters By Using Vertically Slotted Wave Screens”

O. S. Rageh; M. El-Gamal and M. Ib. Saad , Journal of Al Azhar University Engineering Sector, Oct., 2014.

“Navigation Channel Problems Due To Sedimentation”

Osami S. Rageh, Mohsen M. Ezzeldin and Mahmoud E. Saad, The International Maritime and Logistics Conference “Marlog 8”Towards Global Competitiveness in Maritime Industry “Investing in Ports” The Trends, The Future 17 – 19 March 2019.

"Assessment impact of the Damietta harbour (Egypt) and its deep navigation channel on adjacent shorelines"

Ezzeldin, M. M., Rageh, O. S., & Saad, M. I. (2021). Assessment impact of the Damietta harbour (Egypt) and its deep navigation channel on adjacent shorelines. Journal of Integrated Coastal Zone Management, 20(4), 265-281.

"Rehabilitation of Submerged Breakwaters by Using Wave Screens"

M. E. Saad , O. S. Rageh; and M. El-Gamal (2023). Delta University Scientific Journal, 6(1), 51-61.

" Climate Changes Impact on Submerged Breakwaters Efficiency and Proposed Sustainable alternatives "

M. E. Saad , O. S. Rageh; and M. El-Gamal (2023), the International Water Technology Journal.

" Shoreline changes due to the implemented Y-groins in the vicinity of the Damietta harbour, Egypt "

M. E. Saad , O. S. Rageh; and M. El-Gamal (2022). (Under Review).

"A Review of Causes and Solutions of Sedimentation at Navigation channel "

M. E. Saad , O. S. Rageh; and M. M. Ezzeldin. (Under Review).

"Hydrodynamic performance of floating breakwaters "

M. E. Saad , and O. S. Rageh (Under Preparation).

9-Conferences&Seminar

1. 17th International water technology Conference – Istanbul – Turkey, May 2013.
2. “ Siltation Problem in Navigation channel in Damietta Harbour, Problem & Solution” Seminar - Damietta Harbour, May 2013.
3. The International Maritime and Logistics Conference “Marlog 8” Towards Global Competitiveness in Maritime Industry “Investing in Ports” The Trends, The Future 17 – 19 March 2019
4. DU-IECRI 2022 Conference Proceeding, 26-27 November 2022, Cairo, Egypt.
5. 23rd International Water Technology Conference, Port Said, Egypt, 09-11, March 2023 .

10- Disciplines

- Remote Sensing
- Harbour & Coastal Engineering

11- Current Research Projects

- The Hydrodynamic Performance of New Floating Breakwater Type.
- Using Breakwaters and Coastal Protection Works as a Renewable Energy Source.

12- Academic Thesis supervision

- MSc. Thesis " Assessing impact of ports development " (2023-till now).
- MSc. Thesis " Assessment of Ezbet Elborg Seawall Extension and Mitigation of Damietta Coastal Erosion, Egypt " (2023-till now).
- MSc. Thesis " Numerical Analysis of Floating Breakwaters for Enhanced Performance in Coastal Engineering Applications " (2024-till now).

13-Social, Practical, and Technical Experience

Last 12 years since graduation, I focused on the field of harbour engineering and structural design of constructions and tried to improve my knowledge through field experience. Also, I participated in many project such as:

- Reviewing the design of Rehabilitation of container terminal quay wall in Damietta port.
- Design Floating berths for River Bus at Damietta Branch Mansoura City, Dakahlia, Egypt (4 berths).
- Design Floating berths for River Bus at Damietta Branch, Talkha City, Dakahlia, Egypt (2 berths).
- Design RC Bridge 90 ton (Batra Ganabya).
- Participation in Design Mansouria Navigable bridge, Mansoura.