

Name : Mohamed Reda Elsayed Shouman
Date of Birth : 10 / 8 / 1985
Nationality : Egyptian
Marital Status : Married and have a 3 son.
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Objective

Dedicated Assistant Professor with 13 years of experience in teaching, research, and service in the area of Mechanical and Marine Engineering. Combines a focus on student achievement with a passion for scholarly work, presenting and publishing at conferences, and maintaining thought leadership in peer reviewed journals. Deeply invested in earning tenure through administrative service, committee contributions, and an achievement-orientated approach to teaching. Motivated Academic Advisor with extensive knowledge of the education system career paths and testing standards. Experience in developing course curriculum as per accreditation and international standards

Education

B.SC of Marine Engineering Department, 2008.

Cumulative Grade: Excellent with honor.

Master degree of Marine Engineering, 2014

.Cumulative Grade: Excellent.

PhD Degree in Marine Engineering & Naval Architecture from Alexandria University, 2018.

Work Experience

- **Work as lecture at Arab Academy since I graduated.**
- **The material I have taught are:**
 - ⇒ Marine Diesel Engine3.
 - ⇒ Maintenance planning.
 - ⇒ Stress analysis.
 - ⇒ Thermodynamics
 - ⇒ Heat transfer.
 - ⇒ Refrigeration and Air conditioning.
 - ⇒ Mechanical engineering drawing. & AutoCAD
 - ⇒ Engineering drawing.

Publications

- 1) **MOHAMED SHOUMAN**, M. A. Kotb, A. A. Banawan, Yasser M. Ahmed “Review of operation and performance of marine vertical axis propellers”, 283th International Conference on Innovative Engineering Technologies (ICIET), 9th-10th November, 2017, Phuket, Thailand.
- 2) Akram Zeid, **MOHAMED SHOUMAN**” A review of different approaches and standards to reduce human error in maritime industry”, 288th International Conference on Science, Technology and Management (ICSTM),
- 3) **AKRAM ZEID, MOHAMED SHOUMAN** “Breach control method on-board oil tankers” the Universal Academic Cluster International April Conference in Bangkok, 2019, Thailand 25 - 26 April 2019.
- 4) **MOHAMED SHOUMAN**, Akram Zeid” Flow induced vibration on the control valve with a different concave plug shape using FSI simulation” Shock and Vibration, Article ID 8724089, Volume 2019 (2019)
- 5) Ahmed G. Elkafas1&Mohamed M. Elgohary1&**Mohamed R. Shouman**” Numerical analysis of economic and environmental benefits of marine fuel conversion from diesel oil to natural gas for container ships”. “Environmental Science and Pollution Research” 28 (12), 15210-15222, 24 November 2020.
- 6) Nourhan I. GHONEIM*, **Mohamed SHOUMAN**, Kambiz MOKHTARI “A Proposed Method for Ship Safety Enhancement After Flooding” International Journal of e-Navigation and Maritime Economy 15 (2020) 040–049.
- 7) **MR Shouman**, MM Helal, “Influence of Marine Propeller Geometry on Turbulence Model Selection for CFD Simulations “Marine Technology Society Journal, 2021 55 (2), 150-164.
- 8) AG Elkafas, M Khalil, **MR Shouman**, MM Elgohary” Environmental Protection and Energy Efficiency Improvement by using Natural Gas fuels in Maritime Transportation” Environmental Science and Pollution Research.
- 9) AG Elkafas, **MR Shouman**” Assessment of Energy Efficiency and Ship Emissions from Speed Reduction Measures on a Medium Sized Container Ship” International Journal of Maritime Engineering, Vol. 163 No. A3 (2021)).
- 10) **Mohamed R Shouman**, Mohamed M Helal “Influence of Tubercle Modifications on the Performance of Marine Vertical Axis Propellers” Journal of Ship Production and Design. Volume 37 Issue 04 Pages 248-257
- 11) AG Elkafas, **MR Shouman**” A Study of the Performance of Ship Diesel-Electric Propulsion Systems From an Environmental, Energy Efficiency, and Economic Perspective” Marine Technology Society Journal, Vol.1 No. 3 (2022)).
- 12) **Mohamed R Shouman**, Mohamed M Helal “Numerical prediction of improvement of a Savonius rotor performance with curtaining and fin addition on blade” Alexandria Engineering Journal. Volume 61 Issue 12 Pages 10689-10699.
- 13) AG Elkafas, MM Elgohary, **MR Shouman**,” Implementation of Liquefied Natural Gas as a Marine Fuel to Reduce the Maritime Industries Climate Impact. “Naval Engineers Journal “Volume 134, Issue 2, pp. 125-135.
- 14) Mamdouh Elmallah, Mohamed Morsy Elgohary, **Mohamed Reda Shouman**” The Effect of Air Chamber Geometrical Design for Enhancing the Output Power of Oscillating Water Column Wave Energy Converter” Marine Technology Society Journal, 2023 Volume 57 Number 1.
- 15) **Mohamed R Shouman**, Mohamed M Helal “Numerical investigation of improvement of counter rotating Savonius turbines performance with Curtaining and fin addition on blade” Alexandria Engineering Journal. (2023) 75, 233–242.
- 16) Mahmoud A. Saadeldin, Mohamed M. Elgohary, Maged M. Abdelnaby, Mohamed R. Shouman” Effects of Direct Water Injection on the NitrogenOxide Emission Characteristics of

- 17) Mahmoud A. Saadeldin, Mohamed M. Elgohary, Maged M. Abdelnaby, Mohamed R. Shouman
“Biofuels and Electro fuels as Alternative Green Fuels for Marine Applications: A Review”
Marine Technology Society Journal, Volume 57, Number 3, 27 September 2023, pp. 51-68(18

Certifications of achievements:

1	Certificate	Educational preparation for teaching assistants and lecturers.
	Date/Place	1/2/2015-5/2/2015 AAST
	Authorised by	Academy for Science and Technology and Maritime Transport
2	Certificate	QMS Auditor/Lead Auditor Training Course (ISO 9001:2008)
	Date/Place	8-12 June, 2014 / Alexandria, Egypt
	Authorised by	Certificated by IRCA
3	Certificate	International Publishing of Scientific Research
	Date/Place	6/4/2016-7/4/2016 AAST
	Authorised by	Academy for Science and Technology and Maritime Transport
4	Certificate	E- Learning
	Date/Place	28-29 August, 2017 / Alexandria, Egypt
	Authorised by	Academy for Science and Technology and Maritime Transport
5	Certificate	Rights of Intellectual Property
	Date/Place	21/10/2018-23/10/2018 AAST
	Authorised by	Academy for Science and Technology and Maritime Transport
6	Certificate	WRITING RESEARCH PAPERS
	Date/Place	15/7/2019-16/7/2019 AAST
	Authorised by	Academy for Science and Technology and Maritime Transport
7	Certificate	Crisis & Disaster Management
	Date/Place	22/11/2020-23/11/2020 AAST
	Authorised by	Academy for Science and Technology and Maritime Transport

Skills

Computer Skills:

- ⇒ Ansys (Fluent) programs.
- ⇒ AutoCAD programs.
- ⇒ Operating System (Windows ME, XP & 7 & 8) & Internet.
- ⇒ Microsoft Office (Word, PowerPoint & Excel).
- ⇒ Software & hardware.
- ⇒ Adobe Applications.
- ⇒ Asc timetables program.

Languages:

- Arabic: Native tongue.
- English: very Good (speaking, listening, reading and writing).

Administrative skills

- ⇒ Member of the International Relations and External Cooperation Committee in the College of Maritime Transport and Technology.
- ⇒ Course coordinator for (Eng. drawing, Mechanical eng. drawing, Thermodynamics, Heat transfer, Refrigeration and Steam Power Plants).
- ⇒ Responsible of results entry.
- ⇒ Responsible of timetable committee.
- ⇒ Academic advisor of the marine engineering technology students.
- ⇒ Supervising graduation projects.

Hobbies

- ⇒ Fitness, Reading, Running, swimming, kung fu, traveling and learning through the internet.