



## PERSONAL INFORMATION

**Date of Birth:** 6<sup>th</sup> of January, 1994

**Nationality:** Egyptian

**Military Status:** Exempted

**Marital Status:** Married

## CONTACT INFORMATION

**PHONE:**

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**EMAIL:**

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**ADDRESS:**

601, Horreya Street, Zininia,  
Alexandria, Egypt.

**SCOPUS ID:** 57220086190

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**RESEARCH GATE:**

<https://www.researchgate.net/profile/Nour-Moharram>

# NOUR AHMED MOHARRAM

Assistant Lecturer – Mechanical Engineering Department

**ARAB ACADEMY FOR SCIENCE, TECHNOLOGY & MARITIME  
TRANSPORT**

## EDUCATION

• **High School:**

**Arab Academy for Science, Technology & Maritime Transport  
(IGCSE Program)**

2009 – 2012

[Rank: 1<sup>st</sup> Position – Score: 100%]

• **Bachelor's degree:**

**Arab Academy for Science, Technology & Maritime Transport  
(Bachelor of Science in Mechanical Engineering)**

2012 – 2017

[Rank: 2<sup>nd</sup> Position – G.P.A: 3.98/4]

• **Postgraduate Studies:**

➤ **M.Sc. Degree:**

**Arab Academy for Science, Technology & Maritime Transport  
(Master of Science in Mechanical Engineering)**

2017 – 2020

[G.P.A: 4/4]

**M.Sc. Thesis Title:**

TECHNO-ECONOMIC SIMULATION OF CONCENTRATED SOLAR POWER  
INTEGRATED WITH WATER DESALINATION AND POWER GENERATION UNIT

➤ **Ph.D. Degree:**

**Faculty of Engineering, Alexandria University  
(Doctor of Philosophy in Mechanical Engineering)**

2021 – Present

## ACADEMIC PUBLICATIONS

[1] N.A. Moharram, S. Bayoumi, A.A. Hanafy, W.M. El-Maghlany, Techno-economic analysis of a combined concentrated solar power and water desalination plant, Energy Convers. Manag. 228 (2020) 113629. <https://doi.org/10.1016/j.enconman.2020.113629>

[2] N.A. Moharram, S. Bayoumi, A.A. Hanafy, W.M. El-Maghlany, Hybrid desalination and power generation plant utilizing multi-stage flash and reverse osmosis driven by parabolic trough collectors, Case Stud. Therm. Eng. 23 (2021) 100807. <https://doi.org/10.1016/j.csite.2020.100807>.

## **TEACHING EXPERIENCE**

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Assistant Lecturer – Mechanical Eng. Dept. – AASTMT.  
[March 2021 – Present]

Teaching Assistant – Mechanical Eng. Dept. – AASTMT.  
[September 2018 – March 2021]

Graduate Teaching Assistant – Mechanical Eng. Dept. – AASTMT.  
[July 2017 – September 2018]

## **COURSES TAUGHT**

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- 1) Renewable Energy Resources [ME 524]
- 2) Energy Management [ME 534]
- 3) Stress Analysis [ME 276]
- 4) Strength of Materials [ME 277]
- 5) Machine Design I [ME 356]
- 6) Mechanical Vibrations [ME 458]
- 7) Heat Transfer [ME 431]
- 8) Gas Dynamics [ME 566]
- 9) Refrigeration & Air Conditioning [ME 434]
- 10) Internal Combustion Engines II [ME 382]

## **LANGUAGE PROFICIENCY**

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- 1) Arabic: Mother Tongue
- 2) English: Excellent [IELTS Overall Band Score: 8.0]

## **QUALIFICATIONS**

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- 1) Microsoft Office
- 2) MATLAB/Simulink
- 3) Solid Works/ Solid Edge
- 4) Auto-Cad

## **CERTIFICATES**

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- 1) ICDL [International Computer Driving License]
- 2) Communication Skills in Education
- 3) Educational Preparation Course for Graduate Teaching Assistants & Lecturers