

Curriculum Vitae (CV)

Name

Mona Ahmed Sayed Younis



Personal Information:

Academic Rank: Associated Professor

Department: Mechanical Engineering “Mechatronics”

Specialization: Mechanical Engineering

Position:

Google Scholar:

https://scholar.google.com.eg/citations?hl=ar&user=EQp4VnkAAAAI&view_op=list_works&gmla=AJsNF64EWpnzbmd1p0cMMw7vmm1BM2WXTTqcLWOMbNe0-AR8VpCOpPw0PATa34wK48-imrU67MAklvR89VlbFhu_Fo4qIr_mhEKyTb-6R9MB1hyX1tQ260ZF53t785VoIYUBBzkG

Research Gate:

https://www.researchgate.net/?_tp=eyJjb250ZXh0Ijp7ImZpcnN0UGFnZSI6ImxvZ2luliwicGFnZSI6ImxvZ2luIn19

ORCID Record: <https://orcid.org/0000-0003-3459-1091>

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Education:

Degree	Discipline	Institution	Year
Ph.D.	Mechanical Engineering	Shoubra, Banha University	2016
M.Sc.	Mechanical Engineering	Shoubra, Banha University	2010
B.Sc.	Mechanical Engineering	Higher Technological Institute	2003

Academic Experience:

Institution: Higher Technological Institute Tenth of Ramadan City

Rank: Associate Professor

Dates: 2023

Institution: Higher Technological Institute Tenth of Ramadan City

Rank: lecturer

Dates: 2016

Institution: Higher Technological Institute Tenth of Ramadan City

Rank: Research Assistant (PhD student)

Dates: 2010

Research interests:

Polymers, mechanical design

Publications:

1. **Mona A. Younis**, "Effect of Electrode Material on Electrical Discharge Machining of DIN 1.2379 and DIN 1.2080 Surface" J Material Sci. Eng. Vol. 1 Issue 2, July 2012.
2. **Mona A. Younis**, Mohamed S. Abbas, Mostafa A. Gouda, Fouad H. Mahmoud, Sayed A. Abd Allahd, "Effect of electrode material on electrical discharge machining of tool steel surface", Ain Shams Engineering Journal, Volume 6, Issue 3, September 2015, Pages 977- 986.
3. Amal NASSAR, Eman NASSAR, **Mona A YOUNIS** "[Effect of laser cutting parameters on surface roughness of stainless steel 307](#)" Leonardo Electronic Journal of Practices and Technologies 2016. Vol.15 Issue 29, P127-136.

4. Amal NASSAR, Eman NASSAR, **Mona A Younis**” [A Novel Preparation Method of SiC Reinforced Aluminum Composite Through Vertical Rotatory Furnace](#)” , Journal of The Institution of Engineers (India): Series D 2017, P 1-8, Springer India
5. Amal NASSAR, Eman NASSAR, **Mona A Younis**, “New approach for optimizing friction stir welding in aluminium composites”, Leonardo Electronic Journal of Practices and Technologies. Issue 33, July-December 2018 p. 55-68.
6. Amal Nassar, Eman Nassar, **Mona Younis**, “A novel design to external filament extruder for 3D printer” Australian Journal of Mechanical Engineering, 2019, Taylor & Francis group.
7. Amal E Nassar, Eman E Nassar, **Mona A. Younis**, “Developing system for improving the performance of the private hospital in Egypt”, Journal of Applied Research on Industrial Engineering, Ayandegan Institute of Higher Education, Iran, 2021.
8. Amal Nassar, **Mona Younis**, Mohamed Elzareef, and Eman Nassar “Effects of Heat-Treatment on Tensile Behavior and Dimension Stability of 3D Printed Carbon Fiber Reinforced Composites”, Composites. Polymers 2021, 13, 4305.
9. Nassar, A.; **Younis, M.**; Ismail, M.; Nassar, E. “Improved Wear-Resistant Performance of Epoxy Resin Composites Using Ceramic Particles”. Polymers 2022, 14, 333.
10. **Mona A. Younis**, “Surface Roughness Studies of Laser Cutted Surface “, Journal Of “EGTRIB”, The Egyptian Society Of Tribology, Vol. 19, No. 2, April, 2022.
11. **Mona A. Younis**, Amal Nassar, Eman Nassar,” A new Approach for Control System of Solar Panels”, Of “EGTRIB”, The Egyptian Society Of Tribology, Vol. 19, No. 2, April, 2022.

Publications Books:

- Nassar A.E., Nassar E.E., Younis M.A. (2018) Hydrogen Storage Alloys: Types and Characteristics. In: Martínez L., Kharissova O., Kharisov B. (eds) Handbook of Ecomaterials. Springer, Cham. https://doi.org/10.1007/978-3-319-48281-1_148-1
- Amal Nassar, Eman Nassar, Mona Younis, “Autonomous Underwater Vehicle - Part 2”, Scholars' Press (2021-08-27).

Conference Proceedings

- Eman Nasser, **Mona Ahmed Younis**, Amal Nasser, “Smart Control System of Solar Panels”, Proceedings of International Exchange and Innovation Conference on Engineering& Sciences (IEICES). 7, pp.315-322, 2021-10-21. Interdisciplinary Graduate School of Engineering Sciences, Kyushu University
- **Mona Younis**, Eman Nasser, Amal Nasser, “A Methodology for the Design of 6D Robotic Arm”, Proceedings of International Exchange and Innovation Conference on Engineering& Sciences (IEICES). 7, pp.329-335, 2021-10-21. Interdisciplinary Graduate School of Engineering Sciences, Kyushu University.

Certifications or Professional Registrations:

- Small scale thermal solar district units for Mediterranean training in Heliopolis University, Egypt. 2014.
- Education programs and courses specifications and evaluation of learning outcomes for H.E. Institutes 2018

Awards

- IBTICAR marathon @cerativa Ismailia 2022

Teaching Experience:

- Engineering drawing
- Machinery Diagnosis & Condition Monitoring
- Maintenance and fault Diagnosis
- Manufacturing Automation
- Theory of metal forming
- Theory of metal cutting
- Manufacturing processes
- Foundry Engineering.
- Advanced Welding Methods.
- Computer programing.
- Using computer to control in the experiments.
- Quality control.
- Data and information processing.