



Ahmed Mohammed
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Email	Ahmed. Atia@aun.edu.eg eng.a.m.atia@gmail.com
State	19-Dec- 1987 Married have Three children.



- **Vice Dean Student Affairs and education ,Faculty of Engineering , Lotus university**
- **(September 2025 - Present)**



- **Associate Professor, Mechanical Design and Production Engineering Dept**
- Member of Mechanical Design and Production Engineering dept. council
- Skills: Finite Element Analysis (FEA) · Mechanical Product Design · Material Characterization · Manufacturing Processes · University Teaching · Lecturing. **(August 2023 - Present)**



- **Assistant Professor, Mechanical Engineering Dept. (Mechatronics)**
- Member of world University Ranking Committee.
- Director of the Quality Assurance and Accreditation Unit.
- Member of Engineering college council. **(July 2021-August 2023)**
- Demonstrator **(1-10-2009 : 1-10-2014)**
- Assistant lecturer **(1-10-2014 : 1-9-2017)**
- **Assistant Professor. Mechanical Engineering Dept. (Mechatronics).**
- Deputy Director of the Quality Assurance and Accreditation Unit. **End(July 2021)**



- **Ph.D. in Mechanical Engineering – Material Engineering (Polymer Composite material), 2017.**
- **M.Sc. in Mechanical Engineering (Investigation of the Mechanical and Tribological Properties of Polypropylene Matrix Composites Produced by Injection Method.), 2014.**
- **B.Sc. Production Engineering and Mechanical Design , 2009.**



- Total Quality Management, **Dec. 2021.**

- Digital Manufacturing.
- Discovering the Basics of SAP S/4HANA Manufacturing
- Discovering SAP IBP for Demand.



- SAP PP (End User & Fundamental of Configurations)



- Deputy CEO, ZADAKE-Furniture Factory, Egypt
- Odoo ERP, Admin, **Jan. 2019**



• Related Software



AUTODESK
AutoCAD



Office 365



Click The Icons



-Quality Assurance and Accreditation. -University World Ranking.



External Reviewer - National Authority for Quality Assurance and Accreditation



- Work as Manager of QA Unit from 12-2018 till 15-7-2021 in El Minya High institute for Engineering and Technology.
- From 15-7-2021 works as executive supervisor of QAU (Present)

Certification related:

- Examination and student assessment system Higher education NAQAAE.
- Teaching and learning strategies, Higher education NAQAAE.
- Programs and course specifications, NAQAAE.
- Self-evaluation of higher education institutions, NAQAAE.
- External Auditing higher education institutions, NAQAAE.
- Ethics of scientific research, El Minya UNI.

Supervised and Assist the following Tasks:

- Strategic plan.
- Annual reports.
- Mechatronics program specifications and reports.
- Evaluation of the Institute.
- Preparing Data Base of QA activities.
- Preparing operational plans.
- Improvement mechanisms and plans.

The accreditation from NAQAAE was obtained by the MHIET in December 2023.



- Works As Deputy director of QAC sphinx university.
- Manager of QAU in Faculty of Engineering.
- Faculty Council member.
- Member of Sphinx world ranking and scientific publishing.
- Data gathering and analysis.



The Sphinx university has been Ranked in THE impact Ranking 2023.



- Member of Mechanical Design and Production engineering Dept. Council.
- Manager of Wood Workshop, Faculty of Engineering.
- Pricing Committee Manager.
- **Manager of international Ranking Office, 2025-Present.**
- **Manager of Graduation and employment units, 2024-2025**

Graduation projects scientific output

- 3D Printer Design and implementation.
- CNC 3-Axis (Wood Router).
- Solar Panel Robotic Cleaner.
- Handling Robotic at Production lines.
- Auto submarine.
- Sheet Metal operation Using arm robot.
- Wearable Robotic Suite for Disableds.
- Airless tire

Scientific Contributions

- [1] Atia, A.M., K.M. Atia, and A.H. Badran, TRIBOLOGICAL PROPERTIES OF WOVEN CARBON FIBRE COMPOSITE FOR WIND TURBINE BRAKE PADS. *Journal of the Egyptian Society of Tribology*, 21(1): p. 109-119.(2024)
- [2] M., S.A. and A.A.K. Atia A. M. Hamdy K., Ali W. Y., Wear of High Density Polyethylene Reinforced by Single Wall Carbon Nanotubes and Aluminium Oxide Nanoparticles for Bearing Materials Applications. *Journal of the Egyptian Society of Tribology*, 20(1): p. 63-73.(2023)
- [3] Abd-Eltwab, A.A., et al., An Investigation into Conventional Spinning Process Using Ball Shaped Rollers as Forming Tool. *Manufacturing Technology Journal*, 23(6): p. 788-800.(2023)
- [4] Badran A. H. Atia A. M., A.W.Y., INVESTIGATION OF THE ELECTROSTATIC CHARGE GENERATED FROM FABRICS SLIDING ON PMMA/ HDPE COMPOSITES. *Journal of the Egyptian Society of Tribology*, 19(2): p. 12-23.(2022)
- [5] Ayman A. Abd-Eltwab, K.M.A., Essam K. Saied, and A.M.Atia, An Investigation into the Forming of Tube Ends Using the Ballizing Process. *Design Engineering (Toronto)*, 2022(1): p. 3358 - 3374.(2022)
- [6] Ali W. Y., B.A.H., Atia A. M., Electrostatic Charge Generated From Fabrics Sliding on Polymeric Materials. *Journal of the Egyptian Society of Tribology*, 18(3): p. 59-66.(2021)
- [7] Ayman A. Abd-Eltwaba, A.M.A.K.-A., A. M. Atia, and E.K. Saied, A Novel Tool For Producing Externally Splined Sleeves. *INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH*, 9(6): p. 882-885.(2020)
- [8] Atia, A. and W. Ali, Erosion of glass fibre reinforced epoxy composites. *KGK-KAUTSCHUK GUMMI KUNSTSTOFFE*, 71(4): p. 22-27.(2018)
- [9] W. Y., A.A.M. and Ali, Erosion of Glass Fibre Reinforced Epoxy Composites. *EGTRIB Journal*, Vol. 14, No. 2, April 2017, 14(2): p. 28-41.(2017)
- [10] Ahmed Atia, W.y., Particle Erosion of Epoxy Resin. (*Journal of Multidisciplinary Engineering Science and Technology (JMEST)*, 3(5): p. 4780-4784.(2016)
- [11] Atia A. M., A.W.Y., Erosion Behaviour of Epoxy Composites Reinforced By Glass Fibre and Filled by Synthetic Oil. *Journal of the Egyptian Society of Tribology*, 12(ISSN 2090 - 5882): p. pp. 50 - 59.(2015)
- [12] Atia, A., Y. Ismail, and M. Abd Rahman, Study of The Mechanical Properties of Polypropylene and Polypropylene 10% Fiber Glass Matrix Reinforced by Steel Wires. *Journal of Advanced Engineering Trends*, 8: p. 9.(2014).