

Curriculum Vitae

Dr. Refaay Ahmed Ibrahim		
Academic Rank Associate Professor		
Education		
<ul style="list-style-type: none">• Associate Professor, Jazan Univ. 2024• Full Professor Degree 2021, Beni-Suef Univ. Egypt• Associate Professor Degree 2016, Beni-Suef Univ. Egypt• PhD, Mechanical Design and Production Engineering, El-Minya University, EGYPT, (2010).• MS, Mechanical Design and Production Engineering, El-Minya University, EGYPT (2007).• BS, Mechanical Engineering, El-Minya University, EGYPT (2004).		
<u>Academic Experience</u>		
<ul style="list-style-type: none">• Associate Professor- Jazan University, College of Engineering, Industrial Engineering Department, KSA, (2024 - Till now), Full time• Assistant Professor- Jazan University, College of Engineering, Industrial Engineering Department, KSA, (2011 - 2024), Full time.• Professor- Beni-Suef University, College of Engineering, Egypt 2021 on leave• Associate Professor - Beni-Suef University, College of Engineering, Egypt, (2016 - 2021).• Assistant Professor - Beni-Suef University, College of Engineering, Egypt, (2010-2011),• Lecture- Beni-Suef University, College of Engineering, Mechanical Engineering Department, Egypt, (2009-2010)• King Khalid University, College of Engineering, Mechanical Engineering Department, KSA, Lecturer (2007-2009), Full Time.• El-Minya University, College of Engineering, Mechanical Engineering Department Egypt, Researcher, (2004-2007), Full Time.		
<u>Non-academic Experience</u>		
<ul style="list-style-type: none">• Etoile Design company 10th of Ramadan, Egypt , Mechanical engineer, (2004-2005)• Reviewer for Tribology International Journal Journal of science & engineering of composite materials, Journal of Tribology in Industry.• The editorial board of Composite Materials Journal. Member. (2017-2018).		

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Certifications or Professional Registrations

1. E-Learning and distance learning training (**JUMP**) Dec. 2015
2. Innovation and Entrepreneurship Jazan University KSA. Jan. 2015
3. Research Team Management Beni-Suef University 2009
4. Quality Assurance in Education Beni-Suef University 2009
5. Scientific Conferences Management Beni-Suef University 2010
6. Government Accounting Beni-Suef University 2010
7. ICDL Beni-Suef University 2010
8. Black Board E-Learning Training King Khalid University, KSA 2008

Courses that have been taught

- Manufacturing, I
- Manufacturing II
- Computer Aided Manufacturing
- Probability and Statistics
- Operation Analysis
- Facility planning and layout.
- Occupational Safety and Health
- Industrial Management
- Material Science
- Engineering Design
- Mechanical design
- Material strength
- Environmental engineering

Activities and other work

- Coordinator of field training, IE Department Jazan University
- Coordinator of Academic Advising & Excuses Committee, IE Department
- Member of the general committee of field and cooperation training, college of engineering, Jazan University
- Member of the general committee of laboratory and purchase, college of Engineering, Jazan University
- Member of the Scientific Reviewers Committee, Taif University
- Member of some editorial boards for some engineering journals.

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Recent Publications and Presentations

1. Fabrication of CF/WS₂/MoS₂ composite counter electrodes for enhancing efficiency in fiber-shaped dye-sensitized solar cells (FDSSCs), Journal of Alloys and Compounds Volume 1010, 5 January 2025
2. Performance Assessment of Contact Separation Triboelectric Generators (CS-TEGs) under various contact frequencies and electrode layers, Journal of North for Basic & Applied Sciences. Vol. (9) - Issue (2), November 2024
3. Improvement of Surface Properties of Carbon Fiber Reinforced Epoxy Composites Using Solid Lubricants During Machining Processes, Journal of Engineering and Applied Sciences, Vol. 10, Issue (2) November 2023
4. Performance Evaluation of Free-Standing Triboelectric Generator (F-S TEG) using Different Electrodes and Triboelectric Layers, Journal of Egyptian society of Tribology 2024
5. Natural oils as an eco-friendly lubricant for machining operations, Journal of Egyptian society of Tribology 2024
6. Triboelectrification performance of carbon fiber reinforced epoxy composites filled with c3n4 nanoparticles, Jounf University Science and Engineering Journal (JUSEJ) 2022
7. Effect of renewable Fillers on the tribological Performance of Basalt chopped Fiber reinforced epoxy hybrid Composites. KGK Kautschuk Gummi Kunststoffe (KGK) 2022
8. Triboelectrification of Carbon Fiber Reinforced Epoxy Composites. Egyptian society of tribology 2022
9. Effect of Sunflower Seeds Husk and Peanut Shell Husk as well as Vegetable Oils on the Tribological Performance of Basalt Chopped Fiber Reinforced Epoxy Hybrid-Composites, Ibrahim R.A., Tribology in Industry, 2021.
10. PROPER MATERIAL SELECTION OF MEDICAL SAFETY GOGGLES, Egyptian society of tribology, 4/2021.
11. SELECTION OF FLOOR MATERIALS IN HOSPITALS TO RESIST COVID-19, Egyptian society of tribology, 1/2021.
12. Triboelectrification of Kapton Film under different Contact Modes, KGK journal 6/2021
13. EFFECT OF VEGETABLE OILS AS LUBRICATING/COOLING MEDIUM DURING MACHINING PROCESSES ON SURFACE ROUGHNESS. the Egyptian society of tribology 1/2021
14. Sliding of Polyethylene Composites on Artificial Turf, the Egyptian society of tribology, 10/2020.
15. Enhancing the Frictional Performance of Sport GLOVES, Egyptian society of tribology, 10/2020.
16. Effect of blending polyethylene turf by conducting materials on electrostatic charge generated from friction, Egyptian society of tribology, 7/2020.
17. Effect of conducting materials on electrostatic charge generated from sliding on polyethylene turf, Egyptian society of tribology, 7/2020.
18. Influence of blending polyethylene turf by copper textile on generation of electrostatic charge, Egyptian society of tribology, 7/2020.

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19. Effect of blending polyethylene turf by polymethyl methacrylate and polyamide on generation of electrostatic charge, Egyptian society of tribology, 4/2020.
20. Effect of Molybdenum Disulfide Nano-particles on Dry Sliding Behavior of Carbon Fiber Reinforced Epoxy, Tribology in Industry, 1/2020.
21. Triboelectrification of epoxy reinforced by aluminum mesh, Egyptian society of tribology, 10/2019.
22. Friction coefficient of head scarf textiles sliding against hair and skin, International Journal of Advanced Materials Research Vol. 2, Issue 3, pp. 33-37 March (2016).
23. Friction and Wear Behaviour of Fiber / Particles Reinforced Polyester Composites, International Journal of Advanced Materials Research Vol. 2, Issue 2, pp. 22-26, March (2016).
24. Influence of natural fillers on tribological and mechanical performance of polyester composite, Journal of the Egyptian society of tribology, Vol 13 Issue 1, pp.43 -53 Jan. (2016)
25. Effect of Date Palm Seeds on the Tribological Behavior of Polyester Composites under Different Testing Conditions, J. Material Sci. & Engineering volume 4, Issue 6, (2015).
26. Tribological performance of polyester composites reinforced by agricultural wastes, Tribology International 90 pp. 463–466, (2015).
27. Effect of heat treatment on the tribological properties of polyurethane coatings. Journal of the Egyptian society of tribology, volume 12 no. 2 pp. 30 -43(2015).
28. Effect of sand on the frictional coefficient displayed by rubber sliding against epoxy floorings filled by iron nanoparticles, Journal of the Egyptian society of tribology, volume 11 no. 3 pp. 46 -59 (2014).
29. Tribological and mechanical properties of polymeric composites reinforced by metallic fillers, Journal of the Egyptian society of tribology, volume 11 no.2 , pp. 53-62,(2014).
30. Effect of corn husk on the mechanical and frictional behavior of polyester composites Journal of the Egyptian society of tribology, volume 10 no.2, pp. 28-35, (2013).
31. Tribological and mechanical performance of polyester composites filled by jasmine dry leaves, Journal of the Egyptian society of tribology, volume 10 no.4, pp. 58-65 (2013).
32. Reducing of the electrostatic charge generated from the friction of polymer textiles, 3rd Conference of environmental pollutants, El madinae munawara kSA, (2011).
33. Tribological performance of Polyester Composites Filled by vegetable Oils", Journal of material science and engineering technology", vol. 41, issue 5, pp 287-292, (2010).
34. Effect of Corn Oil on the Tribological Properties of Polyester Composites Reinforced with Graphite Fiber", El Minya University Conference for Investment in Engineering Technology, (2007).
35. Tribological Properties of Polyester Composites", Book Chapter, "Polyester Handbook ISBN 979-953-307-968- 3(2012)
36. Fundamentals of Manufacturing Engineering", Student Book, BSU, Egypt.(2011)

Research Accounts

- Google Scholar: https://scholar.google.com/citations?hl=ar&user=oD9-9koAAAAJ&view_op=list_works&gmla=AJsN-F5Qln7blQx7yD37WtUAAAtBdHd804dH-

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- Home page: <https://www.bsu.edu.eg/ProfInfo.aspx?PID=716&lang=en>
- Research Gate: <https://www.researchgate.net/profile/Refaay-Ibrahem>
- Scopus: <https://www.scopus.com/dashboard.uri?origin=searchbasic&zone=TopNavBar>
- ORCID: <https://orcid.org/0000-0003-4044-1794>