

1- Personal Details

Name : Dr. Ibrahim M. Alarifi
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2- Area of specialization:

Major	Mechanical Engineering
Minor	Materials Science

3- Education & Qualifications

Date	Degree	University name	Country	Title of the Dissertation
2017	Ph.D.	Wichita State University	USA	Fabrication and characterization of electrospun polyacrylonitrile carbonized fibers as strain gauges in composites for structural health monitoring applications
2016	Master of Science	Southern Methodist University	USA	NA
2010	Master of Science	Eastern Michigan University	USA	NA
2008	Bachelor of Science	University of Toledo	USA	NA

4- Professional Activities:

Job Title	Place	Country	From	To
Acting Dean	Common First Year	Saudi Arabia	2021	Current
Vice Dean	Common First Year	Saudi Arabia	2019	Current
Head of Dept	Mechanical & Industrial Engineering Department	Saudi Arabia	2019	2020

5- Teaching Experiences

#	Teaching Experiences	University	From	To
1	Associate Professor	Majmaah University, KSA	2021	Current
2	Assistant Professor	Majmaah University, KSA	2017	2021
3	Researcher I	King Abdulaziz for Sciences and Technology	2010	2011
4	Foreman Engineer	Sabic	2001	2005

6- Areas of Specialization

#	Areas of Specialization
1	Materials Science, Biomaterials, Nanotechnology, Carbon Fibers, Polymers and Composites.

7- Current membership in professional organizations

#	Membership	ID
1	Editor Member Board at Journal of Nanomaterials	Check website
2	American Society of Mechanical Engineers (ASME)	000102613213
3	Editor in International Journal of Material Science and Research	Check website
4	Editor Member Board at Molecules (mdpi)	Check website

8- Publications (most important publications in the last 5 Years)

#	Publications / Presentations	Journal (Conference)	Publishing Year (Conference Date)
1	Quasi-Static Flexural Behavior of Epoxy-Matrix-Reinforced Crump Rubber Composites	Processes	2022
2	Developments in Nanoparticles Enhanced Biofuels and Solar Energy in Malaysian Perspective: A Review of State of the Art	Journal of Nanomaterials	2022
3	Interlayer Defect Detection in Intra-Ply Hybrid Composite Material (GF/CF) Using a Capacitance-Based Sensor	Sensors	2022
4	A comprehensive analysis to assess the impact of nano MoS ₂ on the wear characteristic of Al-TiB ₂ -Gr composite	Materials Research Express	2022
5	Parametric Analysis of Epoxy/Crumb Rubber Composite by Using Taguchi—GRA Hybrid Technique	Polymers	2021
6	Mechanical and Abrasive Wear Performance of Titanium Di-Oxide Filled Woven Glass Fibre Reinforced Polymer Composites by Using Taguchi and EDAS Approach	Materials	2021
7	A sensitive electrochemical detection of hydrazine based on SnO ₂ /CeO ₂ nanostructured oxide	Microchemical Journal	2021
8	Thermal and Fluid Dynamics Performance of MWCNT-Water Nanofluid Based on Thermophysical Properties: An Experimental and Theoretical Study	Scientific Reports	2020
9	Institutional classification factors research strategy of Saudi Arabia University ranking	Trends in Research	2020
10	Structural analysis of hexagonal and solid carbon fibers composite	Polymer Testing	2020
11	An experimental study on characterization, stability and dynamic viscosity of CuO-TiO ₂ /water hybrid nanofluid	Journal of Molecular Liquids	2020
12	Investigation of fatigue crack propagation in steel pipeline repaired by glass fiber reinforced polymer	Composite Structures	2020
13	Evaluation of heat irreversibility in couple stress falling liquid films along heated inclined substrate	Journal of Cleaner Production	2019
14	An experimental investigation on the effects of ultrasonication time on stability and thermal conductivity of MWCNT-water nanofluid: Finding the optimum ultrasonication time	Ultrasonics Sonochemistry	2019
15	Electrospun Nanofibers: Preparation, Characterization and Atmospheric Fog Capturing Capabilities	Fibers and Polymers	2019
16	Enhancing fire and mechanical strengths of epoxy nanocomposites for metal/metal bonding of aircraft aluminum alloys	Polymer Composite	2019

9- MAJOR RESEARCH PROJECTS

#	Research Project	Status (Now/Finished)	Funded by
1	Failure Analysis of Tube Materials using nano fluid	Finished	Majmaah University
2	Nano Fluid and Composite Materials	Finished	Majmaah University
3	Preparation and Characterization nanostructures of Boron carbide B ₄ C/nanoparticles Graphene Composite Materials Used in Nuclear Shielding	Finished	Majmaah University