

Sabah Javaid

Assistant Professor

School of Mechanical & Manufacturing Engineering

Email: sabah.javaid@smme.nust.edu.pk

Contact:



About

Dr. Sabah Javaid is working as Assistant Professor in the School of Mechanical & Manufacturing Engineering. Dr. Sabah Javaid has a PhD in Biomedical Engineering. Dr. Sabah Javaid has published 16 research articles & conference papers having a citation count of 86, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Biomedical Engineering University of North Dakota , United States	2017 - 2022
MPhil in Biochemistry University of Agriculture Faisalabad , Pakistan	2014 - 2016
Post Grad Diploma in Biochemistry University of Agriculture Faisalabad , Pakistan	2012 - 2014
Post Grad Diploma in Chemistry Botany Zoology Islamia University of Bahawalpur , Pakistan	2010 - 2012

Experience

Assistant Professor School of Mechanical & Manufacturing Engineering	2024- Present
Graduate Teaching Assistant University of North Dakota , Upson II 243 Centennial Dr Grand Forks	2019 - 2022
Graduate Research Assistant University of North Dakota , Upson II 243 Centennial Dr Grand Forks	2018 - 2022

Research Articles

Rapid and low-temperature synthesis of MoAIB MAB phase by using stress-induced Al-particles <i>Maharshi Dey Quan Tran Jin Zhang Godswill Ngige Sabah Javaid Michelle Pantoya Surojit Gupta</i> <i>International Journal of Ceramic Engineering and Science</i> , Volume 7, Issue 1, Article Number e10247 Impact Factor: 1.2 Quartile: 3 DOI: https://doi.org/10.1002/ces2.10247	2025
Evaluation of PEEK-Based Composites for Biomedical Applications by Performing Lubricated Sliding and Bone Growth Studies <i>Sabah Javaid Caleb Matzke Maharshi Dey Yun Ji Surojit Gupta</i> <i>Biomedical Materials and Devices</i> , Volume 2, Issue 2, Pages 942-967 Impact Factor: 0.0 Citations: 1 DOI: https://doi.org/10.1007/s44174-023-00124-6	2024
Synthesis and characterization of engineered PEEK-based composites for enhanced tribological and mechanical performance <i>Sabah Javaid Maharshi Dey Caleb Matzke Surojit Gupta</i> <i>Journal of Applied Polymer Science</i> , Volume 139, Issue 39, Article Number e52886 Impact Factor: 3.000 Quartile: 2 Citations: 5 DOI: https://doi.org/10.1002/app.52886	2022
Developing Sustainable Composites for Automotive Application <i>Sabah Javaid Surojit Gupta</i> <i>Advanced Materials and Processes</i> , Volume 180(4), Pages 14-19 Impact Factor: 0.500 Quartile: 4	2022

DOI: <https://static.asminternational.org/amp/202205/18/>

Synthesis of ternary ceramics (Cr₂AlC) by using biochars

2022

Sabah Javaid Maharshi Dey Negin Zia Mahmoodi Caleb Matzke Surojit Gupta
International Journal of Applied Ceramic Technology, Volume 19, Issue 2, Pages 773-783

Impact Factor: 2.100 | **Quartile:** 2 | **Citations:** 1

DOI: <https://doi.org/10.1111/ijac.13969>

Exploration of solvent casting for designing engineered microstructures for biomedical and functional applications

2022

Surojit Gupta Sabah Javaid Maharshi Dey Caleb Matzke Erica Eades Yun Ji
Journal of the American Ceramic Society, Volume 105, Issue 3, Pages 1864-1881

Impact Factor: 3.900 | **Quartile:** 1 | **Citations:** 4

DOI: <https://doi.org/10.1111/jace.18104>

Synthesis of nanolayered ternary borides powders (MAB phases) by sustainable molten salt shielded synthesis/sintering (MS3) process

2022

Sabah Javaid Maharshi Dey Dustin Clifford Vibhav Sharma Radhika Barua Surojit Gupta
Journal of Materials Science, Volume 57, Issue 4, Pages 2436-2454

Impact Factor: 4.500 | **Quartile:** 2 | **Citations:** 12

DOI: <https://doi.org/10.1007/s10853-021-06779-0>

On the potential of polyetheretherketone matrix composites reinforced with ternary nanolaminates for tribological and biomedical applications

2021

Sabah Javaid Maharshi Dey Naima Kaabouch Surojit Gupta
Journal of Applied Polymer Science, Volume 138, Issue 10, Article Number 49980

Impact Factor: 3.057 | **Quartile:** 2 | **Citations:** 10

DOI: <https://doi.org/10.1002/app.49980>

Therapeutic effects of Lemon Grass (*Cymbopogon citratus*) against clinically important pathogens

2020

Umar Daraz Khan Nighat Zia ud Den Muhammad Shahid Mudasir Majeed Amer Jamil Sabah Javaid Muhammad Imran Kanjal
North American Academic Research, Volume 3, Issue 12, Pages 275-292

Impact Factor: N/A

DOI: <https://doi.org/10.5281/zenodo.4393137>

On the Synthesis and Characterization of Polylactic Acid, Polyhydroxyalkanoate, Cellulose Acetate, and Their Engineered Blends by Solvent Casting

2020

Sabah Javaid Saud Abu Aldam Maharshi Dey Yun Ji Surojit Gupta
Journal of Materials Engineering and Performance, Volume 29, Issue 9, Pages 5542-5556

Impact Factor: 1.819 | **Quartile:** 4 | **Citations:** 32

DOI: <https://doi.org/10.1007/s11665-020-04594-3>

On the Design of Novel Biofoams Using Lignin, Wheat Straw, and Sugar Beet Pulp as Precursor Material

2020

Sabah Javaid Surojit Gupta Maharshi Dey Yun Ji Scot Payne
ACS Omega, Volume 5, Issue 28, Pages 17078-17089

Impact Factor: 3.512 | **Quartile:** 2 | **Citations:** 17

DOI: <https://doi.org/10.1021/acsomega.0c00721>

Synthesis and characterization of novel foams by pyrolysis of lignin

2019

Surojit Gupta Maharshi Dey Caleb Matzke Grant Ellis Sabah Javaid K Hall Yun Ji Scot Payne
TAPPI Journal, Volume 18(1), Pages 45-56

Impact Factor: 0.620 | **Quartile:** 3

DOI: DOI:10.32964/TJ18.1.4

Conference Proceedings

Synthetic Periodontal Membranes with MagnesiumDoped Zinc Oxide To Control Bacterial Adhesion and Immuno-Inflammatory Responses <i>Tahreem Tanweer Melissa Grant Nosheen Fatima Rana Sabah Javaid Nasir Mahmood Ahmad</i> <i>BMEiCON2025</i> , res.country(217,) Citations: N/A DOI: 10.1109/BMEiCON66226.2025.11113737	2025
Advanced Bio-mimetic Coating of Titanium Implants with Silver Nano stars: Evaluation of Surface interactions and Anti-Biofilm Activity <i>Nosheen Fatima Rana Aqsa Mushtaq Eman Shahid Sabah Javaid Syeda Saira Haider Kazmi Tahreem Tanweer</i> <i>2025 17th Biomedical Engineering International Conference (BMEiCON)</i> , res.country(217,) Citations: N/A DOI: 10.1109/BMEiCON66226.2025.11113780	2025
Advance Silver-Loaded Lecithin Liposomes as Effective Antimicrobial Biomaterials Against Odor Associated Skin Microbiota <i>Nosheen Fatima Rana Sabah Javaid Afrah Nawaz</i> <i>BMEiCON 2025</i> , res.country(217,) Citations: N/A DOI: 10.1109/BMEiCON66226.2025.11113513	2025

Editorial Activities

AI (Basel) Reviewed Papers for Journals Impact Factor: 0.5	2025
Polymers Reviewed Papers for Journals Impact Factor: 4.9	2025
Fiseha Tesfaye Reviewed Papers for Journals Impact Factor: 2.5	2025
Emerging Research Nexus Edited Journal Issue / Proceeding / Book Impact Factor: N/A	2024
JOM Reviewed Papers for Journals Impact Factor: 2.1	2024
JOM Reviewed Papers for Journals Impact Factor: 2.5	2024
N/A Reviewed Papers for Journals Impact Factor: 3.4	2024
N/A Reviewed Papers for Journals Impact Factor: 3.4	2024
Discover Materials Reviewed Papers for Journals Impact Factor: 3.3	2024
Journal of Applied Polymer Science Reviewed Papers for Journals Impact Factor: 3	2024