



# BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Yelahanka, Bengaluru – 560 064

## DEPARTMENT OF MECHANICAL ENGINEERING

### Faculty Publications in SCOPUS Journals

SL No	Faculty Name	Title of the paper	Journal/Conference/Book Chapter	Title of the Journal/Conference/Book Chapter	Scopus/Web of Science	Year of Publication	Quartile
1	Kiran M D	Tribological Characterization of Epoxy Hybrid Composites Reinforced with Al <sub>2</sub> O <sub>3</sub> Nanofiller	Journal	Advances in Materials Science and Engineering Volume 2023, Article ID 8196933	Scopus	Jan-23	Q2
2	Nagamadhu M	Performance studies on a solar PV-powered multi-stage cooling system	Journal	Cogent Engineering	Scopus	Aug-24	Q2
3	Nithya Poornima S	Exploring Nano-Graphene in Bio-Lubricants: Innovative Approaches to Reduce Friction and Wear Engineering Systems	Journal	Letters in High Energy Physics, Volume 2024	Scopus	Oct-24	Q2
4	Nithya Poornima S	Tribological Properties of Bio-Nano Lubricants: A Study on Friction, Wear, and Lubrication Efficiency	Journal	Letters in High Energy Physics, Volume 2024	Scopus	Oct-24	Q2
5	Kiran M D	Study of Abrasive Wear Behavior of Epoxy-Carbon Fiber Composites with Nano Al <sub>2</sub> O <sub>3</sub> Filler: An Algorithmic Approach	Journal	Journal of Bio- and Tribo-Corrosion	Scopus	Jan-25	Q2
6	Nagamadhu M	Comparative analysis of fly ash cenosphere and copper reinforcements in friction stir welded AA6082-T6 alloy	Journal	Materials Research Express	Scopus	Jun-25	Q2
7	Keerthi Kumar N	Effect of Injection Timing in Direct Injection Diesel Engine using Plastic Oil Diesel Blends with Biodiesel as an Additive	Journal	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences 101, Issue 2 (2023) 73-84	Scopus	Dec-22	Q3
8	Madhu M C	A Novel Hybrid DC-AC Configuration for Apartment Complexes with BIPV	Journal	International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING,	Scopus	Dec-22	Q3
9	Nagamadhu M	Influence of Textile Properties on Mechanical Characterization of Woven Sisal Fabrics and sawdust polymer composites bricks analysis using ANOVA and Multi Objective Decision-Making Techniques	Journal	Eur. Chem. Bull. 2023,12(10), 10344-10370	Scopus	Jul-23	Q3
10	Nagamadhu M	Influence of CNT Particle on Mechanical Properties of Epoxy Composites.	Journal	Journal of Mines, Metals and Fuels	Scopus	Nov-23	Q3

11	Nagamadhu M	Assessing the Von Mises Impact of HSS Twist-Drilled Holes on Pretreated Sandwich Composites Through FE Analysis	Journal	Journal of The Institution of Engineers (India): Series D	Scopus	Feb-24	Q3
12	Nagamadhu M	Evaluating the Von Mises Effect of HSS Twist Drilled Hole on Untreated Sandwich Composites by FE Analysis	Journal	Journal of The Institution of Engineers (India): Series D	Scopus	Feb-24	Q3
13	Kiran M D	3D finite element analysis of carbon fiber reinforced aluminium alloy wheel	Journal	Interactions, Volume 245, article number 252, (2024),	Scopus	Aug-24	Q3
14	Chethan D	Optimizing Dental Composites: Synergistic Effects of Calcite–Zincate Nanoparticles in PMMA Resin for Enhanced Mechanical Performance	Journal	Journal of The Institution of Engineers (India): Series D	Scopus	Oct-24	Q3
15	Kiran M D	Effect of Fillers on Machinability of Polymer Matrix Composites: A Review	Journal	Journal of Propulsion Technology	Scopus	Dec-24	Q3
16	Nagamadhu M	Taguchi-Based Experimentation Technique in Combination with Multifactor Regression for Optimization of Refrigerants, Design and Process Parameters to Maximize Heat Transfer in Heat Pumps	Journal	Journal of The Institution of Engineers (India): Series C	Scopus	Apr-25	Q3
17	G L Anantha Krishna	Experimental Investigations to Study the Influence of Thickness and Speed of Aluminum Discs on Brake Parameters with Neodymium – Iron – Boron Magnets	Journal	Journal of Mines, Metals and Fuels	Scopus	Dec-22	Q4
18	Nagamadhu M	Statistical Significant Analysis of Hardness of Poly Vinyl Alcohol Crosslinked Glutaraldehyde using Turnkey HSD Method	Journal	Journal of Mines, Metals and Fuels, 70(10A): 94-100; 2022.	Scopus	Mar-23	Q4
19	G L Anantha Krishna	Optimisation of Permanent Magnet Eddy Current Braking System using Aluminum Discs by Taguchi Technique	Journal	Journal of Mines, Metals and Fuels	Scopus	Dec-23	Q4
20	Nithya Poornima S	Rheological Insights and Optimization of Bio Nano Lubricants in Tribological Systems	Journal	Nanotechnology Perceptions	Scopus	Nov-24	Q4
21	Madhu M C	Optimization of Mechanical Properties of Cordia dichotoma/Alumina Nanoparticle Reinforced Epoxy Nanocomposites Under Alkali Treatment Using ANN Techniques	Journal	Journal of Environmental Nanotechnology	Scopus	Jun-25	Q4
22	Shripad Diwakar	Design and Fabrication of Agricultural Shredder Machine	Journal	GIS SCIENCE JOURNAL, VOLUME 10, ISSUE 6	Scopus	Jul-23	
23	Sundaresh S	Synthesis of Simarouba and Black Seed oil blended Biodiesel and Investigation of its Performance and Emission Characteristics on CI Engine	Journal	GIS Science Journal, Volume 8, Issue 8, 2021	Scopus	Aug-21	

24	Sriganesh T G	Chassis Design of Simple Battle Tank	Journal	GIS Science Journal, Volume 8, Issue 8, 2021	Scopus	Aug-21	
25	Shripad Diwakar	Pyrolysis process to produce fuel from waste plastics	Journal	GIS Science Journal, Volume 8, Issue 9, 2021	Scopus	Aug-21	
26	K Chandra Sekhara Reddy	Design and Analysis of E-Bicycle Wheel converted from normal bicycle	Journal	GIS Science Journal, Volume 8, Issue 8, 2021	Scopus	Aug-21	
27	Nithya Poornima S	Quality check of Food Grains using Gas Sensors” in GIS Science Journal	Journal	GIS Science Journal, VOLUME 8, ISSUE 10, 2021	Scopus	Aug-21	
28	Nagamadhu M	Experimental Investigation on the Performance of Different Cutting Fluids on Cutting Force During Turning of Duplex Stainless Steel-2205 under MQL Technique	Journal	Mathematical Modelling of Engineering Problems Vol. 9, No. 1, February, 2022, pp. 136-143	Scopus	Feb-22	