



# BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Yelahanka, Bengaluru – 560 064

## DEPARTMENT OF MECHANICAL ENGINEERING

### Faculty Publications in SCIE 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	Keerthi Kumar N	Effect of Parameters Behavior of Simarouba Methyl Ester Operated Diesel Engine	Journal	Energies 2021, 14, 4973. <a href="https://doi.org/10.3390/en14164973">https://doi.org/10.3390/en14164973</a>	SCIE	Aug-21	Q1
2	Ravichandra R	Coaxiality error analysis and optimization of cylindrical parts of CNC turning process	Journal	The International Journal of Advanced Manufacturing Technology, 120, 6617–6634 (2022)	SCIE	Apr-22	Q1
3	Keerthi Kumar N	Performance evaluation of artificial neural networks in sustainable modelling biodiesel synthesis	Journal	Sustainable Energy Technologies and Assessments, 52, Aug 2022	SCIE	Aug-22	Q1
4	Madhu M C	A novel reconfigurable hybrid DC-AC home technique with renewable energy resources and converters	Journal	International Journal of Sustainable Engineering	SCIE	Oct-23	Q1
5	Kiran M D	Tribological properties of CNT-filled epoxy-carbon fabric composites: Optimization and modelling by machine learning	Journal	Journal of Materials Research and Technology, Volume 28, 2024, Pages 2582-2601.	SCIE	Feb-24	Q1
6	Keerthi Kumar N	Influence of bonding time during diffusion bonding of Ti–6Al–4V to AISI 321 stainless steel on metallurgical and mechanical properties	Journal	Vacuum	SCIE	Apr-24	Q1
7	Nagamadhu M	Ultra-sensitive platform for the detection of a psychostimulant drug using a nanostructured titanium carbide/carbon matrix: Insights into electrochemical sensing mechanism	Journal	Materials Chemistry and Physics	SCIE	Jul-25	Q1
8	Srinidhi Acharya S R	Influence of zirconium carbide particles on the mechanical characteristics of heat treated Al7475 alloy	Journal	Scientific Reports	SCIE	Apr-25	Q1
9	Nagamadhu M	Characterization and evaluation of joint properties of friction stir welded AA7075/GNPs joints obtained using square and cylindrical threaded tool	Journal	Journal of Materials Research and Technology	SCIE	May-25	Q1

10	Nagamadhu M	Dynamic Mechanical Analysis, Biodegradability and Water Absorption Behavior of Permanganate Treated Woven Fabrics/Polyvinyl Alcohol Composites	Journal	Journal of Natural Fibers, DOI: 10.1080/15440478.2022.2068175	SCIE	May-22	Q2
11	K M Sathish Kumar	Experimental Investigation to Confirm the Presence of TiB <sub>2</sub> Reinforcements in the Matrix and Effect of Artificial Aging on Hardness and Tensile Properties of Stir-Cast LM4-TiB <sub>2</sub> Composite	Journal	Crystals August 2022, Vol. 12, Issue 8, 1114.	SCIE	Aug-22	Q2
12	Nagamadhu M	Study on tearing strength of woven sisal fabrics for tents and polymer composite applications	Journal	Journal of Natural Fibers, 20:1, 2165590	SCIE	Feb-23	Q2
13	Nithya Poornima S	Experimental Investigation of the Characteristics and Tribological Effectiveness of Pongamia pinnata Lubricant Oil Blended with Nanoadditives	Journal	Lubricants	SCIE	Mar-25	Q2
14	Manjunatha C	Development and mechanical characterisation of hybrid tungsten carbide/graphite reinforced aluminium metal matrix composites using deep learning techniques	Journal	Canadian Metallurgical Quarterly	SCIE	Apr-25	Q2