



# BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Yelahanka, Bengaluru – 560 064

## DEPARTMENT OF MECHANICAL ENGINEERING

### Faculty Publications in BOOK CHAPTERS

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	Avinash G	Acoustic Analysis of Effect of Louver Window Material in Noise Attenuation	Book Chapter	Recent Advancements in Mechanical Engineering. Lecture Notes in Mechanical Engineering. Springer, Singapore,	Scopus	Sep-22	
2	Keerthi Kumar N	Fuzzy-Based Hierarchical Routing Protocol for Wireless Sensor Networks	Book Chapter	Sustainable Computing Transforming Industry 4.0 to Society 5.0, pp 229–240	Scopus	Jan-23	
3	Keerthi Kumar N	Improvement of Flat Plate Collector Performance Using Nano-additives	Book Chapter	Sustainable Computing Transforming Industry 4.0 to Society 5.0, pp 307–317	Scopus	Jan-23	
4	Ravichandra R	Resistance Spot Welding and Laser Welding Effect on Nickel Tab for Electric Vehicle Battery Development. In: Mohd Salleh	Book Chapter	Proceedings of the Green Materials and Electronic Packaging Interconnect Technology Symposium. EPITS 2022. Springer Proceedings in Physics, vol 289. Springer, Singapore	Scopus	Jul-23	
5	Nithya Poornima S	Influence of the Bio-lubricant Along with Nano Compounds as Additives on the Properties of the Lubricant	Book Chapter	Smart Sustainable Materials and Technologies (Volume 1)	Scopus	Mar-24	Q3
6	Madhu M C	Recent Trends in Renewable Energy Sources, Challenges and Opportunities	Book Chapter	Advanced Technologies for Science and Engineering, 2024, Vol. 2, 305-317	Non Scopus	Jul-24	
7	Madhu M C	Research Challenges in Renewable Energy Sources	Book Chapter	Advanced Technologies for Science and Engineering, 2024, Vol. 2, 297-304	Non Scopus	Jul-24	
8	Kiran M D	Tribological Characterization of Nano-Al2O3-Filled Nickel-Coated Short Carbon Fiber-Reinforced Epoxy Composites	Book Chapter	Smart Materials and Manufacturing Technologies for Sustainable Development. SME 2023. Advances in Science, Technology & Innovation. Springer	Scopus	Oct-24	Q3
9	Keerthi Kumar N	Enhancement of Productivity by Reducing Lead Time in, Housing for Power Steering Using Lean Manufacturing Process	Book Chapter	Smart Materials and Manufacturing Technologies for Sustainable Development. SME 2023. Advances in Science, Technology & Innovation. Springer	Scopus	Oct-24	Q3
10	Nagamadhu M	Evolution and recent advancements of composite materials in sports applications	Book Chapter	Applications of Composite Materials in Engineering	Scopus	Oct-24	
11	Avinash G	Aerodynamic Analysis of Ventilated Ducts in Automotive Cooling	Book Chapter	International Conference on Recent Advancements in Mechanical Engineering	Non Scopus	Dec-24	
12	Kiran M D	Influence of Fillers on Machining Process of Polymer Composites	Book Chapter	Advances in Composite and Advanced Materials Machining	Scopus	Jan-25	
13	Nagamadhu M	Agricultural Wastes for Production of Biochar	Book Chapter	Biochar Production Engineering	Scopus	Jul-25	
14	Nagamadhu M	Polymer Cation Exchange Sorbents for the Removal of Heavy Metal Ions	Book Chapter	Ion Exchange Processes for Water and Environment Management	Scopus	Jul-25	

15	Nagamadhu M	Activated Carbon and Polymeric Ion Exchange Sorbents for Metaldehyde Elimination	Book Chapter	Ion Exchange Processes for Water and Environment Management	Scopus	Jul-25	
16	Nagamadhu M	Composite Ion-Exchange Sorbents: Development, Properties, and Applications	Book Chapter	Ion Exchange Processes for Water and Environment Management	Scopus	Jul-25	