



# 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	Keerthi kumar N	Optimization of process parameters for turning machine using Taguchi super ranking method: A case study in valve industry	Conference	Materials Today: Proceedings, Volume 47, Part 10, 2021, Pages 2505-2508	Scopus	Sep-21	
2	K Chandra Sekhara Reddy	Synthesis and characterization of magnesium oxide nanoparticles using combustion method to study the fuel properties	Conference	Materials Today: Proceedings, Volume 49, Part 3, 2022, Pages 797-800	Scopus	Jan-22	
3	Keerthi kumar N	Vibration based condition monitoring of rotating part using spectrum analysis: A case study on milling machine	Conference	Materials Today: Proceedings, Volume 49, Part 3, 2022, Pages 744-747	Scopus	Jan-22	
4	Kiran M D	Tensile and impact strength of nickel coated short carbon fiber reinforced polyester composite	Conference	Materials Today: Proceedings, ISSN 2214-7853, Volume 52, Part 3, Pages 1011-1013, 2022	Scopus	Mar-22	
5	Kiran M D	Mechanical properties of HNT filled carbon fabric epoxy composites	Conference	Materials Today: Proceedings, ISSN 2214-7853, Volume 52, Part 3, Pages 2048-2052, 2022	Scopus	Mar-22	
6	H K Govindaraju	Evaluation of fatigue behavior of Al6061-T6 alloy using rotating bending test	Conference	Materials Today: Proceedings, ISSN 2214-7853, Volume 52, Part 3, Pages 1030-1035, 2022	Scopus	Mar-22	
7	Keerthi Kumar N	A hybrid solar-battery power source with nano - grid smart home with plug-in electric vehicle	Conference	AIP Conference Proceedings 2690, 020039 (2023), ISET International Conference on Applied Science & Engineering (CASE)	Scopus	Mar-23	
8	Kiran M D	Effect of various parameters on fracture toughness of polymer composites: A review	Conference	Materials Today: Proceedings, 2023, International Conference on Smart and Sustainable Developments in Materials, Manufacturing and Energy Engineering.	Scopus	Mar-23	
9	Nagamadhu M	A critical review on microstructure and hardness of aluminum alloy 6061 joints obtained by friction stir welding-past, present, and its prospects,	Conference	Materials Today: Proceedings, Volume 82, 2023, International Conference on Future Trends in Materials and Mechanical Engineering.	Scopus	May-23	
10	G L Anantha Krishna	Experimental investigations with Neodymium – Iron – Boron magnets with aluminum circular plates to find deceleration, time taken and stopping distance	Conference	Materials Today: Proceedings, 14th International Conference on Materials, Processing & Characterization – ICMPC 2023.	Scopus	Aug-23	

11	Nagamadhu M	Effect of Ghatti gum content on mechanical properties of epoxy composite using multicriteria optimization techniques	Conference	Materials Today: Proceedings, 14th International Conference on Materials, Processing & Characterization – ICMPC 2023.	Scopus	Aug-23	
12	Nagamadhu M	A survey on friction stir welded aluminum composites and their microstructure, hardness, and tensile properties	Conference	Materials Today: Proceedings, 4th International Conference on Materials, Processing & Characterization – ICMPC 2023.	Scopus	Aug-23	
13	Keerthi Kumar N	Design and Optimization of Low Power and High-Performance CMOS Circuits	Conference	Proceedings of the 4th International Conference on Smart Electronics and Communication, ICOSEC 2023	Scopus	Sep-23	
14	Keerthi Kumar N	Design and Optimization of Low Power and High-Performance CMOS Circuits	Conference	Proceedings of the Fourth International Conference on Smart Electronics and Communication (ICOSEC-2023) IEEE Xplore Part Number : CFP23V90-ART ; ISBN : 979-8-3503-0088-8	Scopus	Sep-23	
15	Nagamadhu M	Short term creep behavior of neem wood veneer epoxy composites	Conference	AIP Conference Proceedings, International Conference On Advances In Materials, Ceramics And Engineering Sciences	Scopus	Dec-23	
16	Keerthi Kumar N	Investigation of the Use of Renewable Energy in Microgrid Applications	Conference	Proceedings of 9th International Conference on Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation, ICONSTEM 2024,	Non Scopus	Apr-24	
17	Keerthi Kumar N	Advancements in Chatbot Technology for Enhanced Customer Support in Online Retail	Conference	Proceedings of 9th International Conference on Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation	Non Scopus	Apr-24	
18	Avinash G	Experimental Investigation of Thermal Management In brake systems	Conference	2nd International Conference on Mechanical Engineering: Researches and Evolutionary Challenges-2024	Non Scopus	May-24	
19	Avinash G	Optimizing Brake Disc Cooling Efficiency with Varying Airflow Velocities	Conference	2nd International Conference on Mechanical Engineering: Researches and Evolutionary Challenges-2024	Non Scopus	May-24	
20	Keerthi kumar N	Investigation of the Use of Renewable Energy in Microgrid Applications	Conference	International Conference on Science Technology Engineering and Mathematics (ICONSTEM)	Scopus	Jun-24	
21	Keerthi kumar N	Advancements in Chatbot Technology for Enhanced Customer Support in Online Retail	Conference	International Conference on Science Technology Engineering and Mathematics (ICONSTEM)	Scopus	Jun-24	
22	Keerthi kumar N	Investigation on Wear Behaviour of Nano B4C Reinforced Composite with Zn Alloy Matrix	Conference	Innovations in Electronic Materials: Advancing Technology for a Sustainable Future	Scopus	Jan-25	