



BMS Institute of Technology and Management, Bengaluru

Department of Mechanical Engineering

FACULTY PUBLICATIONS 2019-20

International Journals

Sl No	Name of Faculty	Title	Journal	Index
1	Dr. Nandini R	Energy-harvesting enhancement in composites of microwave-exfoliated KNN and multiwall carbon nanotubes	International Journal of Bull. Mater. Sci. (2019) 42:253 © Indian Academy of Sciences https://doi.org/10.1007/s12034-019-1938-6	Scopus
2	Dr. K.M. Sathish Kumar	Influence of Process Parameters on Friction Stir Welded AA 6082-Cu Joints	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN (P): 2249–6890; ISSN (E): 2249–8001 Vol. 9, Special Issue, Dec 2019, 114–124	Scopus
3	Dr. K.M. Sathish Kumar	Development of MATLAB Codes to Find the Natural Frequencies of a Composite Structure	Applied Mechanics and Materials ISSN: 1662-7482, Vol. 895, pp 319-323 doi: 10.4028/www.scientific.net/AMM.895.319	Non-Scopus
4	G L Anantha Krishna Dr. K.M. Sathish Kumar	Analytical and Finite Element Solution of Tractor Brake Link to achieve Weight and cost Reduction	Applied Mechanics and Materials ISSN: 1662-7482, Vol. 895, pp 307-312 doi:10.4028/www.scientific.net/AMM.895.319	Non-Scopus

5	G L Anantha Krishna	Estimation and Comparison of Percentage Error of Theoretical and Experimental Natural Frequency of a Single Degree of Freedom System using Spring Mass System	International Journal of Engineering Science and Computing IJESC Volume 10 Issue No.2	Non-Scopus
6	Dr Nandini R	Kinetic analysis of isothermal solid-state process for synthesized potassium sodium niobate piezoelectric ceramics	ScienceDirect Materials Today: Proceedings 5 (2018) 20939–20946	Scopus
7	Dr. Nandini R	Influence of Mwcnts/Zinc Oxide Nanoparticles/Epoxy Resin Composite Coating on Mild Steel to Enhance Anticorrosion and Mechanical Properties	International Journal of Innovative Technology and Exploring Engineering ISSN: 2278-3075, Volume-9 Issue-6, April 2020	Scopus
8	Kiran M D H. K Govindaraju	Evaluation of Mechanical and Fracture Properties of Nickel Coated Short carbon Fiber/ Epoxy Composites with Nanofillers	Jour of Adv Research in Dynamical & Control Systems, Vol. 12, Special Issue-02, 2020	Scopus
9	S. Nithya Poornima	Multipurpose Agribot	International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS) Volume VIII, Issue X, October 2019 ISSN 2278-2540	Non-Scopus
10	Dr. Sangmesh B	Performance Evaluation of Cryogenic Treated and Untreated Carbide Inserts during Machining of AISI 304 Steel	International Journal of automotive and Mechanical Engineering, Vol 17, Issue 1, 2020 7709-7718.	Non-Scopus
11	G. L. Anantha Krishna	Analytical and Finite Element Analysis of a Typical Curved Beam	IJESC, Volume 10 Issue No.7, July 2020, ISSN 2321 3361.	Non-Scopus
12	H. K. Govindaraju, Kiran M D	Mechanical Behavior of Heat Treated Al6061-Tungsten Carbide and Graphite Reinforced Hybrid Composites	Journal of Critical Reviews ISSN- 2394-5125 Vol 7, Issue 17, 2020	Scopus
13	Kiran M D	Dry sliding wear behaviour of short Carbon fibre reinforced aluminium matrix composites	Journal of Critical Reviews ISSN- 2394-5125 Vol 7, Issue 15, 2020	Scopus

14	Sriganesh T G	Development of vertical axis wind turbine by Maglev suspension – An innovative approach	Journal of Physics: Conference Series, Vol 1473, 2020 . https://iopscience.iop.org/article/10.1088/1742-6596/1473/1/012020	Non-Scopus
15	Keerthi Kumar N	Impact of Nano additives on Performance and Emission Characteristics of C.I. Engine Operated Using Blended Simarouba Oil Methyl Ester	Journal of Critical Reviews ISSN- 2394-5125 Vol 7, Issue 17, 2020	Scopus
16	Keerthi Kumar N	Experimental Study on Characteristics of Direct Injection Compressed Ignition Engine Using Waste Plastic Oil and Biodiesel Blends	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), ISSN (P): 2249–6890; ISSN (E): 2249–8001, Vol. 10, Issue 3, Jun 2020, 2085-2094	Scopus
17	H. K. Govindaraju, Kiran M D	Wear behavior of aluminum metal matrix composites: A Taguchi approach	AIP Conference Proceedings 2247, 040005 (2020); https://doi.org/10.1063/5.0003802	Scopus, Web of Science
18	Kiran M D H. K. Govindaraju,	Fracture toughness of surface treated short fiber reinforced epoxy composites	AIP Conference Proceedings 2247, 020006 (2020); https://doi.org/10.1063/5.0003825	Scopus, Web of Science

International Conferences

SI No	Name of Faculty	Title	Conference Name
1	Dr. K.M. Sathish Kumar	Study of Mechanical and Microstructural Properties of Friction Stir Welded Butt Joints of Aluminium and Copper	International Conference on Advances in Materials, Ceramics and Engineering Sciences (AMCES 2020), Dayananda Sagar College of Engineering, Bengaluru, Jan. 17, 2020
2	Sriganesh T G	Development of Vertical Axis Wind Turbine by Maglev Suspension- An Innovative Approach	International Conference on Thermo-Fluids & Energy Systems, BNMIT, Bangalore, Dec. 27, 2019
3	Keerthi Kumar N	Impact of Injection Timing on Simarouba Seed Oil-Fuelled CI Engine	IConAMMA-2019, Amritha School of Engineering, Aug. 29, 2019
4	Dr. Avinash	Ductility Effects on Joint Strength Effect in Lap Shear Configuration Loading	International conference on recent trends in metallurgy, material science and manufacturing, NIT Trichy, Dec. 27, 2019.
5	Dr Sangamesh	Rolling direction effect of climbing joint strength performance in lap-shear configuration	India Trib 2019, IISc Bangalore, Dec. 4, 2019
6	Dr. Santosh Kumar	Ductility effect on clinching joint strength in lap shear configuration loading	IMME19, NIT Trichy, Dec. 28, 2019
7	Praveen Kumar T N	Lateral Crushing behaviour of filled aluminium Square Tube	2nd international conference on Advance in Mechanical Engineering Science (ICAMES-2K20) organised by PES College of Engineering, Mandya, Karnataka on 28th-29th February 2020
8	Dr. Jagadeesh.YJ	CFD Analysis Of 2-Dimensional Incompressible Viscous Flow over Aerofoil section	2nd International Conference on Advances in Mechanical Engineering Sciences- ICAMES - 2K20 28 th – 29 th Feb 2020 Organized by PES College of Engg. Mandya.
9	Dr. Jagadeesh.YJ	Computational Fluid Dynamics Technique to Analyse Incompressible Fluid Flow Through a Venturimeter To Avoid Flow Separation	International Conference on Emerging Trends in Computational Fluid Dynamics (ICETCFD-2019), Christ University Date: 27-02-2019 & 28-02-2019