



BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Yelahanka, Bengaluru – 560 064

DEPARTMENT OF MECHANICAL ENGINEERING

Faculty Publications in Scopus Journals

Sl No	Name of Faculty	Title	Journal/ Conference	Index
2015-16				
1	Dr. H. K. Govindaraju	Evaluation of Glass/ carbon reinforced Polymer composites	Polymers & Polymer Composites, Vol. 24, No. 7, 2016	Scopus
2	T.N.Praveen Kumar, S.Venkateswaran	Effect of Grain Size of Calcium Carbonate Foaming Agent on Physical Properties of Eutectic Al–Si Alloy Closed Cell Foam	International Journal of Minerals, Metals and Material Engineering, Transactions of the Indian Institute of Metals, IIM & Springer, Volume 68,	Scopus
2016-17				
1	Dr. H K Govindaraju	Experimental Study on Mechanical Properties of Polymer Based Hybrid Composite.	ScienceDirect Materials Today: Proceeding (2017)	Scopus
2	Yashavantha Kumar GA Dr. K M Sathish Kumar	Free Vibration analysis of Smart Composite beam	Science Direct Materials Today: Proceeding 4 (2017) 2487-2491	Scopus
3	A V Suresh	The effect of alkaline treatment on their properties of Jute fiber mat and its vinyl ester Composites	Science Direct Materials Today: Proceeding 4 (2017) 3371-3379	Scopus



BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Yelahanka, Bengaluru – 560 064

DEPARTMENT OF MECHANICAL ENGINEERING

2017-18				
1	Dr. A.V.Suresh, Dr. N.Suresh	Study on Fatigue Behaviour of Copper Coated Fly Ash –LM6 Metal Matrix Composite	International Journal for Modern Trends in Science and Technology ISSN: 2455-3778: Volume: 03, Issue No: 12, December 2017	Scopus, Web of science
2	Dr. A. V. Suresh	Effect of Calcination Kinetics and Microwave Sintering Parameters on Dielectric and Piezo-Electric Properties of (K0.5Na0.5) NBO3 Ceramics	Iranian Journal of Materials Science & Engineering Vol. 15, No. 2, June 2018	Scopus, Web of science
3	Dr. H K Govindaraju	Development of E-Glass Woven Fabric / Polyester Resin Polymer Matrix Composite and Study of Mechanical Properties	Science Direct Materials Today: Proceedings 5 (2018) 13367–13374	Scopus, Web of science
4	G.L. Anantha Krishna, K.M. Sathish Kumar	Experimental Investigation of Influence of Various Parameters on Permanent Magnet Eddy Current Braking System	Science Direct Materials Today: Proceedings 5 (2018) 2575–2581	Scopus, Web of science
5	Kiran M D Dr. H K Govindaraju	Evaluation of Mechanical Properties of Glass Fiber Reinforced Epoxy Polymer Composites with Alumina, Titanium dioxide and Silicon Carbide Fillers	Science Direct Materials Today: Proceedings 5 (2018) Volume 5, Issue 10, Part 3, 2018, Pages 22355-22361	Scopus, Web of science
6	Kiran M D Dr. H K Govindaraju	Review-Effect of Fillers on Mechanical Properties of Polymer Matrix Composites	Science Direct Materials Today: Proceedings 5 (2018) Volume 5, Issue 10, Part 3, 2018, Pages 22421-22424	Scopus, Web of science
7	Shreya Banerjee	A dimensionally reduced order piezoelectric energy harvester model	Elsevier, Energy 148 (2018) 112e122	Scopus, Web of science



BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Yelahanka, Bengaluru – 560 064

DEPARTMENT OF MECHANICAL ENGINEERING

8	Dr. H K Govindaraju	Static and Dynamic Mechanical Behavior of Hybrid Fibers Composites	IOP Conf. Series: Materials Science and Engineering 376 (2018) 012044	Scopus
2018-19				
1	Dr. H K Govindaraju	Preparation and Mechanical Characterization of Al7075-Silicon Nitride MMC's	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), ISSN(P): 2249-6890; ISSN(E): 2249-8001 Vol. 8, Issue 4, Aug 2018, 575-584	Scopus
2	Madhu M C	Performance Evaluation of Solar Tracking System with Reflectors	IJMPERD, ISSN(P): 2249-6890; ISSN(E): 2249-8001 Vol. 8, Special Issue 8, Oct 2018, 187-194	Scopus
3	Shripad Diwakar	Effect of Injector Opening Pressure on the Performance and Emission Characteristics of Direct Injection Diesel Engine with Methyl Esters of Calophyllum Inophyllum (Surahonne) oil	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN(P): 2249-6890; ISSN(E): 2249-8001 Vol. 8, Special Issue 8, Oct 2018, 67-74	Scopus
4	Dr. A V Suresh	Effect of MWCNTs on piezoelectric and ferroelectric properties of KNN composites	Materials Science & Engineering B 231 (2018) 40–56, Elsevier Publications	Scopus
5	Kiran M D Dr. H K Govindaraju	Evaluation of fracture toughness of epoxy-nickel coated carbon fiber composites with Al ₂ O ₃ nano filler	Advances in Polymer Composites: Mechanics, Characterization and Application, AIP Conf. Proc. 2057, 020002-1–020002-5; 2019	Scopus, Web of Science



BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Yelahanka, Bengaluru – 560 064

DEPARTMENT OF MECHANICAL ENGINEERING

6	Dr. K.M. Sathish Kumar	Modal Analysis for Optimized Placement of Piezoelectric Patches on a Composite Beam Structure	Materials Today, Volume 5, Issue 10, Part 1, 30 October 2018, ISSN 2214-7853, PP.21135-21139, Elsevier Publication.	Scopus, Web of Science
7	Keerthi Kumar N	Effects of combustion chamber profile on direct injection diesel engine operated with SuOME	AIP Conference Proceedings, Volume-2128, Pages 050001-1 to 050001-13, July 2019, AIP Publishing.	Scopus, Web of Science
8	Dr. Nandini R	Kinetic Analysis of isothermal solid-state process for synthesized potassium sodium niobate piezoelectric ceramics.	Materials Today Proceedings, 5 (Part-1), 20939–20946, October 2018, Elsevier Publication.	Scopus, Web of Science
9	Dr. Sangmesh	Thermal management of vehicle radiator by nanocellulose with one-dimensional analysis	AIP Conference Proceedings 2059, 020043 (2019); https://doi.org/10.1063/1.5085986	Scopus, Web of Science
10	Dr. Sangmesh	Nanocellulose as heat transfer liquid in heat exchanger	AIP Conference Proceedings 2059, 020044 (2019); https://doi.org/10.1063/1.5085987	Scopus, Web of Science
11	Dr. Shreya Banerjee	A Timoshenko like model for piezoelectric energy harvester with shear mode	Composite Structures, Elsevier, Volume 204, 15 November 2018, Pages 677-688.	Scopus
12	Dr. Shreya Banerjee	An electromechanically coupled intrinsic, mixed Variational formulation for geometrically nonlinear smart composite beams	Applied Mathematical Modelling, Elsevier, Volume 65, January 2019, Pages 549-565	Scopus, Web of Science



BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Yelahanka, Bengaluru – 560 064

DEPARTMENT OF MECHANICAL ENGINEERING

6	H. K. Govindaraju, Kiran M D	Mechanical Behaviour of Heat Treated Al6061-Tungsten Carbide and Graphite Reinforced Hybrid Composites	Journal of Critical Reviews ISSN- 2394-5125 Vol 7, Issue 17, 2020	Scopus
7	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
8	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
9	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
10	H. K. Govindaraju, Kiran M D	Wear behaviour 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
11	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
12	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	Scopus
13	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	Scopus



BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Yelahanka, Bengaluru – 560 064

DEPARTMENT OF MECHANICAL ENGINEERING

2020-21				
1	Kiran M D	Sliding Wear Behaviour of Nickel-Coated Short Fibre-Reinforced Al7075 Composites	Journal of Failure Analysis and Prevention, Springer, DOI https://doi.org/10.1007/s11668-020-00955-1 , 11 August 2020.	Scopus Web of Science
2	Praveen Kumar T N, H K Govindraju	Axial Crushing Behaviour of Foam, Pyramidal and Tetrahedral Structure Filled Aluminium Square Tubes	Journal of Critical Reviews ISSN- 2394-5125 VOL 7, ISSUE 14, 2020	Scopus
3	Keerthi kumar N	Design and Implementation of Solar Based Smart Mobile Charging System	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN (P): 2249–6890; ISSN (E): 2249–8001, Vol. 10, Issue 4, Aug 2020, 229–238	Scopus
4	Keerthi kumar N	i-Trasher- Smart Waste Management System	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, 7577–7586	Scopus
5	Keerthi kumar N	Advanced Decision Support System for Precision Agriculture Using WSN	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, 7561–7568	Scopus



BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Yelahanka, Bengaluru – 560 064

DEPARTMENT OF MECHANICAL ENGINEERING

6	Keerthi kumar N	Impact of injection timing on simarouba seed oil-fueled CI engine	Materials Today: Proceedings, 2214-7853, https://doi.org/10.1016/j.matpr.2020.10.329 2214-7853, 2020	Scopus
7	Sangmesh	Numerical investigation on heat sink with fluid pockets for high power LEDs	Indian Journal of Engineering & Materials Sciences Vol. 27, pp. 1018-1026, October 2020.	Scopus
8	Kiran M D	Fracture Toughness of CNT Filled Carbon Fabric Reinforced Epoxy Composites	Materials Research Innovations, Volume 25, Issue 2 (2021).	Scopus
9	Kiran M D	Fracture toughness study of epoxy composites reinforced with carbon fibers with various thickness	Materials Today: Proceedings, Volume 46, Part 7 , Pages 2630-2634, 2021.	Scopus
10	H K Govindraju Kiran M D	Three-point bending and impact behaviour of carbon/epoxy composites modified with titanium dioxide nanoparticles	Materials Today: Proceedings, Volume 43, Part 2, Pages 1755-1761, 2021.	Scopus
11	Keerthi kumar N	Performance and Emission Characteristics of C.I Engine Fuelled with Hybrid Biodiesel	International Journal of Vehicle Structures & Systems, 13(1), 6-9, ISSN: 0975-3060 (Print), 0975-3540 (Online), doi: 10.4273/ijvss.13.1.02	Scopus
12	Madhu M C	Hybrid DC-AC homes with roof top solar power	E3S Web of Conferences 239, 00025 (2021)	Scopus