



# BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Yelahanka, Bengaluru – 560 064

## DEPARTMENT OF MECHANICAL ENGINEERING

### Faculty Publications in Non Scopus Journals

Sl No	Name of Faculty	Title	Journal	Index
<b>2015-16</b>				
1	Dr. H. K. Govindaraju	Evaluation of Mechanical and Tribological Properties of Al <sub>2</sub> O <sub>3</sub> Nano Particles Reinforced Aluminum Metal Matrix Composite	International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-018,	Google
2	T.N.Praveen Kumar, N. Suresh,	Effect of Grain Size of Calcium Carbonate Foaming Agent on Compressive Strength of Eutectic Al-Si Alloy Closed Cell Foam	American Journal of Materials Science, 2015; 5(3C):69-73, doi:10.5923/cmaterials.201502.14	Google
3	Shripad Diwakar	Studies on Callophyllum Inophyllum (Surahonne ) Bio Diesel as fuel for Diesel Engine	International Journal of Engineering Research & Technology (IJERT), SSN: 2278 - 0181	Google
4	Shripad Diwakar	Heterogeneous Catalysts in Bio Diesel Production - A Review	International Journal of Engineering Research & Technology (IJERT), ISSN: 2278 – 0181	Google
5	N Keerthi Kumar	Effect of Combustion Chamber Shapes on the Performance of Mahua and Neem Biodiesel Operated Diesel Engines	Petroleum & Environmental Biotechnology Journal of Petroleum & Environmental Biotechnoolgy, ISBN: 2157-7463.	Google



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2016-17				
1	Dr. H K Govindaraju	Tribological Behaviour of Wc-Gr reinforced Hybrid Composites	International Journal of Advanced Technology in Engineering and Science, Vol.05 Issue No.01, January 2017	Google
2	N Keerthi Kumar	A Survey on Biodiesel Used for Automobiles	International Journal of Inventory Research Vol.3 Issue-4, 2017	Google
3	Dr. Suresh N Sundaresh S	Fatigue behaviour of Fly ash reinforced in LM6 Aluminium Metal Matrix Composites.	International journal of Advanced in Scientific and Engineering, Vol 02, Issue 09, Oct-2016	Google
2017-18				
1	Kiran M D	Fatigue Behavior of Carbon Fiber Reinforced Aluminum Metal Matrix Composites	American Scientific Publishers, Advanced Science, Engineering and Medicine Vol. 10, 1–4, 2018	Google
2	O Gurumurthy	Mechanical Characterization of Aluminium Hybrid Metal Matrix Composite	International Journal of Engineering Science and Computing ISSN 2321 3361 © 2018 IJESC Volume 8 Issue No.4	Google
3	Shripad Diwakar	Experimental Analysis of Performance and Emission Characteristics of Simarouba Biodiesel and its Blends at varying Injection Pressures on CI Engine	International Journal of Applied Engineering Research ISSN 0973-4562 Volume 13, Number 1 (2018) pp. 62-67	Google
4	N Keerthi Kumar	Effect of combustion geometry on combustion, performance and emission characteristics of CI engine using simarouba oil, methyl ester	IOP Conf. Series: Materials Science and Engineering 314 (2018) 012018	Google
5	Sriganesh T G	Fabrication and Study of Vertical Axis Wind Turbine by Maglev Suspension	International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value:45.98; SJ Impact Factor :6.887Volume 6 Issue I, January 2018	Google



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6	Keerthi Kumar N	Effect of Working Fluid, Heat Input and Filling Ratio's on Performance of Closed Loop Pulsating Heat Pipe	International Journal of Advances in Scientific Research and Engineering (ijasre) E-ISSN: 2454-8006 Vol.3, Special Issue 1 Aug - 2017	Google
<b>2018-19</b>				
1	Kiran M D	Modelling and Analysis of Off-Road Rally Vehicle using Adams Car	International Journal of Research and Scientific Innovation (IJRSI) Volume V, Issue IX, September 2018   ISSN 2321–2705	Google
2	S.NithyaPoornima	Moisture Sensors for Automatic Watering System for Indoor Garden	SSRG International Journal of Mechanical Engineering (SSRG - IJME) – Special Issue ICETST Nov 2018	Google
3	Dr. H K Govindaraju Kiran M D	Development of Wear Resistant Al-Si-Ce Metal Matrix Composites Using Gr as Reinforcement	International Journal of Engineering, Applied and Management Sciences Paradigms (IJEAM), Volume 54 Issue 1 April 2019, 126-131.	Google
4	K.Chandra Sekhara Reddy	Automatic bumper with smart braking system	International Journal of Engineering Science and Computing, June 2019, Volume 9 Issue No.6	Google
5	G L Anantha Krishna	Finite Element Analysis of Tibia Bone	International Journal of Engineering Science and Computing, December 2018, Volume 8 Issue No.12	Google
6	S.Nithya Poornima	Outcome Based Education - Need for the Hour	International Journal of advance Research Ideas and Innovations in Technology, Volume 2, Issue 2 ISSN-2454-132X	Google
7	Dr. Sangmesh	Heat Transfer Enhancement in a high-Power LED using Heat Sink with Fluid Pockets	Journal of Scientific and Industrial Research. Vol. 77 October 2018	Google
8	Dr. Sangmesh	Mechanical and Wear behaviour of Al6061 reinforced with Graphite and TiC Hybrid MMC's,	Materials Research Innovations, <a href="https://doi.org/10.1080/14328917.2019.1628497">https://doi.org/10.1080/14328917.2019.1628497</a> .	Google



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9	Dr. Sangmesh	Experimental Investigation on HSFP using MWCNT based Nanofluids for high power Light Emitting Diodes,	Journal of Mechanical Engineering and Sciences, Vol. 12 No. 3, (2018),3852-3865.	Google
10	Dr. Sangmesh	Performance studies on cryogenic treated carbide cutting tool for turning of AISI304 steel	Journal of Mechanical Engineering and Sciences, Vol. 12 No. 3, (2018),3927-3941	Google
11	Dr. Sangmesh	Effect of Cryogenic treatment on Tool Wear, Chip Thickness of Uncoated Carbide Insert during Machining with AISI304 Stainless Steel	International Journal of Innovative Technology and Exploring Engineering, Volume-8, Issue-9, July 2019	Google
<b>2019-20</b>				
1	Sriganesh T G	Development of vertical axis wind turbine by Maglev suspension – An innovative approach	Journal of Physics: Conference Series, Vol 1473, 2020	Google
2	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	Google
3	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.	Google
4	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.	Google
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.	Google



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