



K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE - 560109
DEPARTMENT OF MECHANICAL ENGINEERING

RESEARCH SCHOLARS PUBLICATION DETAILS

Sl. No.	Name of Scholar	National / International Publication Details
1	Mr. Yuvaraja Naik & Dr. Shailesh Rao A	<ol style="list-style-type: none">1. Comparison of Appearance, Microstructure and Tensile Properties during Friction Stir Welding Processes of Al-Si alloys, Physics of Metals and Metallography, Volume-118, Issue-7, Pages-716-722,20172. Effect of the Metal Transport on the Mechanical Properties of Al-2Si Alloys Processed through Friction Stir Welding Processes, Metallurgical and Materials Transactions B, Volume 48B, Issue-3, pages 1771-1781,20173. Understanding the Effect of Multiple Traverse Feed during Friction Stir Welding Processes, Archives of Metallurgy and Materials. -00079-2016- 02, 2016
2	Mrs. Shreekala N & Dr. Sridhara S N	<ol style="list-style-type: none">1. Combustion Characteristics in a Can Combustor Fueled with Surrogates of Gasoline and Jet-A using Numerical Methods, IJPAM, Volume 119 No. 14 2018, 187-192; ISSN: 1314-33952. Detached Eddy Simulation of Incompressible Flow in Blunt End and Bevel End Circular Coaxial Nozzle Jets, International Journal of Mechanical and Production Engineering, ISSN: 2320-2092, Volume- 5, Issue-6, Jun.-20173. Numerical Investigation of Influence of Flow Rates on Combustion Characteristics using Multiphase Flamelet Combustion,- Journal of Applied Fluid Mechanics, Volume 12, Issue-4, Pages 1013-1021 2019
3	Mr. KrishnaMurthy K N & Dr. Sridhara S N	<ol style="list-style-type: none">1. Synthesis and optimization of Hydnocarpus wightiana and dairy waste scum as feed stock for biodiesel production by using response Surface Methodology, Energy 153 (2018), pp. 1073-1086
4	Mr. Kesav Kumar S & Dr. Sridhara S N	<ol style="list-style-type: none">1. Experimental investigation on thermal performance of helical grooved flat heat pipe, International Information and Engineering Technology Association, Modeling, Measurement and Control B, Vol. 87, No. 1, March 2018, pp. 55-62

		<ol style="list-style-type: none"> 2. <i>Thermal Network Model for Device in Flat Heat Pipe Assisted Heat Sink</i>, Heat Pipe Science and Technology, An International Journal 5(1-4) 213-220, 2014 3. <i>“Startup Transient Characteristics of Helical Grooved Flat Heat Pipe”</i>, International Conference on Applied Engineering Sciences and Management, K S School of Engineering and Management, Bangalore,12th Oct 2018
5	Mr. Aruna Annasaheb Magadam & Dr. Sridhara S N	<ol style="list-style-type: none"> 1. <i>The performance and emission test for modified piston of 2 stroke petrol engine</i>, International Journal of Scientific and Research Publications 7 (9), 350-354,2017 2. <i>Performance of IC Engine by Using Mahua Oil (Madhuca indica) Biodiesel</i>, International Journal of Scientific and Research Publications, 7 (9), 345-348,2017 3. <i>Performance and Emission characteristics of IC engine using modified coated Piston Head</i>, International Journal of Engineering & Technology 7 (2.32), 537-541 4. <i>Performance of IC Engine by using Simarouba Biodiesel</i>, Grenze, Proc. of Int. Conf. on Current Trends in Eng., Science and Technology, ICCTEST
6	Mrs. Alam Radhika & Dr. Shailesh Rao A	<ol style="list-style-type: none"> 1. <i>Evaluating machining performance of AISI 1014 steel using gingelly oil as cutting fluid</i>, Australian Journal of Mechanical Engineering-Design, Material and Manufacturing, Vol .17, No 2, 2019 2. <i>Experimental Studies on Cutting Parameters During Turning of Aluminium 6082-T6 Alloy Using Non-Edible Oils as Cutting Fluid</i>, IJPAM, Volume 119 No. 14 2018, 179-186; ISSN: 1314-3395 3. <i>Machining Behaviour of Using Bio-Oils as Lubricants during the Turning Process</i>, International Journal of Modern Manufacturing Technologies ISSN 2067–3604, Vol. XIII, No. 1 / 2021
7	Mr. Madhu P & Dr. Shailesh Rao A	<ol style="list-style-type: none"> 1. <i>Interactive approach in improving rigidity of lathe structure</i>, International Journal on Interactive Design and Manufacturing (IJIDeM), Pages1-11,Publisher-Springer Paris2020
8	Viraja Deshpande & Dr. P N Jyothi	<ol style="list-style-type: none"> 1. <i>Experiment to determine the specific heat of oils</i>, Journal of Mechanical and Engineering, Vol. 5(45), No1 2021,pp.47-52 2. <i>Influence of Nano graphite based Vegetable oils as Cutting Fluids for Mild Steel Drilling</i>, International Journal of Scientific Research in

		Science, Engineering and Technology, Vol 9, issue 9, 2022, pg no 251-264
		<p>3. <i>A Review on Sustainable Eco-friendly Cutting Fluids</i> ,Journal of Sustainability and Environmental Management (JOSEM), Vol.1, No. 2(2022), 306–320p</p>
		<p>4. <i>Physico -Chemical Properties of Bio -Oils as Cutting Fluids:</i> A Comparative Investigation Journal of Bio- and Tribo-Corrosion.(2025) 11:7</p>