



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

National /International Journal Publications

Sl.No.	Year of Publication	No. of Publications	Cumulative Count
1	2010	6	6
2	2011	3	9
3	2012	2	11
4	2013	1	12
5	2014	3	15
6	2015	8	23
7	2016	2	25
8	2017	3	28
9	2018	8	36
10	2019	4	40
11	2020	3	43
12	2021	2	45
13	2022	8	53
14	2023	3	56
15	2024	0	56
16	2025	2+	58+



JOURNAL PUBLICATION

2010 -Journal Publication

- 1 Akashdeep B.N. et.al. "*Performance Analysis of Vacuum Tube Collectors for Hard Water Using Jacket Type Heat Exchanger*", International Journal of Engineering Research and Technology, Volume 3, Number 3 (2010), pp. 641—651, © International Research Publication House <http://www.irphouse.com>
- 2 A. Hareesh, et.al, "*Mechanical Testing on the Behavior of Metal Matrix Composite of Al6061 and Tungsten Carbide*". ICSE organized in Dayananda Sagar college of engineering on 21-23 Apr. 2010
- 3 Akashdeep B.N. et.al, "*Performance Analysis of Vacuum Tube Collectors for Hard Water Using Jacket Type Heat Exchanger*", International Journal of Engineering Research and Technology, Volume 3, Number 3 (2010), pp. 641—651, © International Research Publication House
- 4 Sridhara S.N, "*Photographic Investigations of Jet disintegration in Air blast Sprays*", Journal of Applied Fluid Mechanics, Vol. 3, No 2,111-123, 2010.
- 5 S.N. Sridhara, et.al, "*Parametric Studies on Pulsating Heat Pipe*", *International Journal of Numerical Methods for Heat and Fluid Flow*", Vol. 20, No.4, pp 392-415, 2010. (Awarded with Most Significant Paper Award for the year 2010 from Emerald sciences.)
- 6 S.N. Sridhara, et.al, "*Libraries of Engineering Institutions in Bangalore: A Case Study and Future Plan for 2020*", Vol. 4, No. 1, pp 1-6, Jan-June 2010.

2011- Journal Publication

- 7 S.N. Sridhara, et.al, "*Development of Library and Information Services with a Focus to E-Learning Environment in Engineering College Libraries*", SALIS Journal of Information Management and Technology, Vol. 2, No. 2, pp 43-46, July-Dec 2011.
- 8 A Shailesh Rao, "*Inference of Optimal Speed for Sound Centrifugal Casting of Al-12 Si Alloys*" Journal of Materials, Springer Verlag Publications, Vol 63, No.5.25-29, 2011.
- 9 S. N. Sridhara, et.al, "*Effect of Different Thermal Boundary Conditions at Bottom Wall on Natural Convection in Cavities*", Journal of Engineering Science and Technology (JESTEC), Vol 6, issue 1, pp 109-130, Feb 2011.

2012- Journal Publication

- 10 S.N. Sridhara, et.al, "*Influence of Heat Input, Working Fluid and Evacuation Level on the Performance of Pulsating Heat Pipe*", Volume 5, Number 2, Issue 10, Journal of Applied Fluid Mechanics, July 2012.
- 11 S. N. Sridhara,et.al, "*Buoyancy driven Heat Transfer in Cavities Subjected to Thermal Boundary Conditions at Bottom Wall*", Volume 5, Number 2, Issue 10 of the JAFM, July 2012.

2013- Journal Publication

- 12 Jyothi P N, Shailesh Rao A, et.al, “*Understanding the Melt Flow Behaviour of ZA alloys Processed through Centrifugal Casting*” International Journal of Mechanical Engineering and Technology (IJMET), ISSN 0976 – 6340(Print), ISSN 0976 – 6359(Online) Volume 4, Issue 1, January – February (2013)

2014- Journal Publication

- 13 P. N. Jyothi, Rao A. Shailesh, et.al, “*Influence of Refiner in ZA-12 Alloys During Centrifugal Casting Process*” JOM, Vol. 66, No. 5, 2014, pp 720-725
- 14 PN Jyothi, AS Rao, et.al, “*The Effect of Increase in Aluminium Content on Fluidity of ZA Alloys Processed by Centrifugal Casting*”, World Academy of Science, Engineering and Technology, International Journal of Industrial and Manufacturing Engineering. Volume-1, Issue-4, 2014.
- 15 S. N. Sridhara, et.al, “*Thermal Network Model for Device in Flat Heat Pipe Assisted Heat Sink*”, Heat Pipe Science and Technology, An International Journal 5(1-4) 213-220, 2014

2015- Journal Publication

- 16 Jyothi P N, et.al, “*Influence of Centrifugal Force on the Microstructure and Hardness of ZA-8 Alloys*”, SSRG International Journal of Material Science and Engineering (SSRG-IJMSE) volume 1 Issue3 Nov to Dec 2015.
- 17 Jyothi P N, et.al, “*Wear Characteristics of ZA-27/Al₂O₃ Composites Processed by Centrifugal Casting*”, International Journal of Materials Science and Engineering, Volume 3, Number 4, December 2015
- 18 Jyothi P N, et.al, “*Optimization and Prediction of Mechanical Properties of ZA-27/Al₂O₃ MMC Processed by Centrifugal Casting Using Multiple Regression Analysis*”, International Journal of Engineering Journal of Engineering Studies and Technical Approach, ISSN.2395-0900, Volume 01, No. 10, October 2015.
- 19 Jyothi P N, et.al, “*Influence of Centrifugal Force on the Microstructure and Hardness of ZA-8 Alloys*”, SSRG International Journal of Material Science and Engineering (SSRG-IJMSE) volume 1 Issue3 Nov to Dec 2015.
- 20 Jyothi P N, et.al “*Comparison of Mechanical Properties of Al-5% Si Alloy Reinforced with Cow dung ash and Rice husk ash*”, International Journal of Latest Research in Engineering and Technology, Volume 1, Issue 4, September 2015, PP 55-58.
- 21 A Hareesh, et.al. “*Case Study on Off grid solar Power*”, Advanced Engineering Technology and Application, An International Journal, Appl.3, No. 2, 1-9, May 2015.
- 22 Shailesh Rao A, et.al. “*Investigation of Particle Segregation and Solidification Time in FGM's Using Centrifuge Casting Techniques*”, Applied Mechanics and Materials, accepted for publication
- 23 Shailesh Rao A, P N Jyothi, “*Processing of ZA-27 Based MMC Reinforced with Al₂O₃ By Centrifugal Casting*”, International Journal of Advancements in Mechanical and Aeronautical Engineering– IJAMAE, Volume 2: Issue 1 [ISSN: 2372-4153], 2015

2016-Journal Publication

- 24 Shailesh Rao A YuvarajaNaik, “*Understanding the Effect of Multiple Traverse Feed*

- during Friction Stir Welding Processes, Archives of Metallurgy and Materials. -00079-2016- 02, 2016
- 25 P N Jyothi, “Physical Properties of Bio-oils used as cutting fluids during Drilling operation of Mild steel”, Adv. Res. Mech. Engi. Tech., ISSN: 2454-8650 2016

2017- Journal Publication

- 26 Shailesh Rao A, YuvarajaNaik., “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 1771-1781,2017
- 27 Shailesh Rao A YuvarajaNaik, “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-716-722,2017
- 28 S N Sridhara, et.al, “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.-2017

2018- Journal Publication

- 29 S.N. Sridhara, et.al, “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
- 30 S.N Sridhara, et.al, “Performance and Emission of a VCR Engine Using Mahua Oil as Bio-diesel”, Chemical Engineering Transactions Vol. 65, 2018, pp 259-264.
- 31 Sridhara S N, et al, “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
- 32 Shailesh Rao A, “Studies on Plasma Sprayed Thermal Barrier Coating with Increase in Coating Thickness”, Tribology in Industry, Vol. 40, No. 3 (2018) 420-432, DOI: 10.24874/ti.2018.40.03.08
- 33 P N Jyothi , “Physical properties of Nano based Bio-Oils as cutting fluids”, Journal of Advanced Research In Manufacturing, Material Science & Metallurgical Engineering, VOL 5, NO 3 ,2018,pp 6-11
- 34 P N Jyothi, et al, “Effect of Vegetable Based Cutting Fluids On Chip Formation And Surface Roughness During Turning Operation Of Mild Steel”, IJPAM, Volume 119 No. 14 2018,pp 167-171; ISSN: 1314-3395
- 35 Alam Radhika, et al, “Experimental Studies on Cutting Parameters During Turning of Aluminium 6082-T6 Alloy Using Non-Edible Oils as Cutting Fluid”, IJPAM, Volume 119 No. 14 2018, 179-186; ISSN: 1314-3395
- 36 Sridhara S N, et al, “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: 1314-3395

2019- Journal Publication

- 37 Jyothi P N, et.al, “*Influence of Bio-Oils as Cutting Fluids on Chip Formation and Tool Wear during Drilling Operation of Mild Steel*”, International Journal of Recent Technology and Engineering, Volume-8 Issue-2, 2019
- 38 Alam Radhika, et.al, “*Evaluating machining performance of AISI 1014 steel using gingelly oil as cutting fluid*”, Australian Journal of Mechanical Engineering-Design, Material and Manufacturing ,Vol .17, No 2, 2019
- 39 P. N. Jyothi, et.al, “*Improving Engineering Teaching Practices through Kaizen*”, International Journal of Research in Engineering, Science and Management Volume-2, Issue-8, August-2019, ISSN (Online): 2581-5792
- 40 Prashanth et. al, “*Effect of varying Compression ratio on engine performance and Emissions in a twin spark ignition engine fuelled with blends of Gasoline and Ethanol*” IJESC Volume 8 issue 4, ISSN: 2250-1371

2020- Journal Publication

- 41 J Prashanth et.al, “*A Review of Performance Management Systems in Manufacturing Industries*” IJERT, Volume 6, Issue 05 2019, e-ISSN: 2395-0056, p-ISSN: 2395-0072
- 42 Prashanth et.al, “*Experimental investigation on the performance of single spark ignition and twin spark ignition engine fuelled with ethanol – gasoline blends*” Issue 01 2019, 25-41, ISSN: 2289-7879
- 43 Nishanth Nag, “*Performance Emission and Combustion Characteristics of Garcinia Gummi Gutta fueled in Di Diesel Engine with different Bio-Diesels Blends*”, International Journal of Engineering & Science Research

2021- Journal Publication

- 44 Jyothi P N , “*Experiment to determine the specific heat of oils*”, Journal of Mechanical and Energy Engineering, Vol. 5(45), No1 2021,pp.47-52
- 45 Balaji B, “ *Design & Performance Evaluation of 3 Blade Propeller for Multi-Rotor UAV*”,IJERT, Vol 10 Issue 10 2021,pp 423-429

2022- Journal Publication

- 46 P.N. Jyothi, et al, “ *Influence of Nano graphite based Vegetable oils as Cutting Fluids for Mild Steel Drilling*”, International Journal of Scientific Research in Science, Engineering and Technology, Vol 9, issue 9, 2022, pg no 251-264
- 47 Abhishek M R & B Balaji , “*Variation of Tensile, Hardness, Impact and Natural Frequency in Jute/E-Glass Epoxy Composite For Varying Fiber Loading and Addition of Shear Thickening Fluid*” International Journal of Scientific Research in Science, Engineering and Technology, Vol 9, issue 9, 2022, pg no 230-241
- 48 B Balaji & Abhishek M R , “*Design and Analysis of High Endurance Fixed Wing Multirotor UAV*”, Int J Sci Res Sci Eng Technol, March-April-2022, 9 (2) : 277-287

- 49 B Balaji & Abhishek M R, “*Computational Modelling of Musculoskeleton to Predict Human Response with Upper Arm Exoskeleton*” ,International Journal of Scientific Research in Science, Engineering and Technology, March-April-2022, 9 (2) : 293-302
- 50 Ramanarasimha K, et al “ *Experimental Studies on Oscillating Heat Pipe using conventional and Nano Fluids*” International Journal of Scientific Research inScience, Engineering and Technology, Vol 9, issue 9, 2022
- 51 P N Jyothi, et al , “*A Review on Sustainable Eco-friendly Cutting Fluids*” ,Journal of Sustainability and Environmental Management (JOSEM), Vol.1, No. 2(2022), 306–320p
- 52 Ramanarasimha K , et al , “*Assessment and Prediction of Heat Transfer Performance of Oscillating Heat Pipe using Acetone*, Journal of Advanced Research in Fluid Mechanics and Thermal Sciences 91, Issue 1 (2022) 140-154
- 53 Ramanarasimha K, et al, “ *Effect of Heat Input and Filling Ratio on Raise in Temperature of the Oscillating Heat Pipe with Different Working Fluids Using ANN Model*”, International Journal of Heat and Technology, Vol. 40, No. 2, April, 2022, pp. 535-542

2023- Journal Publication

- 54 B Balaji & Abhishek M R, “*Design and Development of Rover Based Rocker Bogie Mechanism*”, International Journal for Scientific Research & Development| Vol. 10, Issue 12, 2023, PP 73-77
- 55 Santhosh Kumar K J "Al/B4C Metal Matrix Compounds with 8 and 10 mass Percentage of B4C reinforcement content produced through Stir Casting method" Eur. Chem. Bull. 2023,12(Special Issue 5), 1854-1862
- 56 Ramanarasimha K,"An investigation to evaluate the influence of Al₂O₃ nanoparticles on thermal performance of oscillating heat pipe using Box–Behnken design method", Multiscale and Multidisciplinary Modeling, Experiments and Design, Volume 6, issue 2, June 2023, Springer Nature

2025- Journal Publication

- 57 P N Jyothi & Viraja Deshpande,” Physico-Chemical Properties of Bio-Oils as Cutting Fluids: A Comparative Investigation Journal of Bio- and Tribo-Corrosion.(2025) 11:7
- 58 Akashdeep B.N, "Ultrasonic assisted stir squeeze casting of AA5456/Al₂O₃-SiC-Gr-MoS₂ hybrid Nano composites: Microstructure and strengthening analysis”, Journal of Materials Research and Technology Volume 34, January–February 2025, Pages 1611-1635