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

**DEPARTMENT OF MECHANICAL ENGINEERING**

**JOURNAL PUBLICATION**

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| **2010 -Journal Publication** | |
| 1 | 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 | 1. 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 | 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 |
| 4 | 1. 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 | 1. 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 | 1. A Shailesh Rao,“*Inference of Optimal Speed for Sound Centrifugal Casting of A1-12 Si Alloys”* Journal of Materials, Springer Verlag Publications, Vol 63, No.5.25-29, 2011. |
| 9 | 1. **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 .iven 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 | 1. S.N Sridhara, [et.al](http://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, **“*S****tudies 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 | 1. P N Jyothi , “[*Physical properties of Nano based Bio-Oils as cutting fluids*](https://technology.adrpublications.in/index.php/JofMaterial-Metallurgical-Engg/article/view/1042)”, 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  38  39  40 | 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  Alam Radhika, et.al, “*Evaluating machining performance of AlSI 1014 steel using gingelly oil as cutting fluid*”, Australian Journal of Mechanical Engineering-Design, Material and Manufacturing ,Vol .17, No 2, 2019  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](https://www.ijresm.com/volume-2-issue-8-august-2019/)  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 |

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|  | **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**

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| 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 |