

## **Publications in National Conferences**

### **Academic Year 2019-20 -Nil**

### **Academic Year 2018-19**

1. Arun Prakash C, Rahul B, Rakesh Kumar J, Design and fabrication of a mechanism for comfort braking and horn in scooters, Telangana State Science Congress, NIT Warangal, 22 Dec to 24 Dec, 2018
2. Arun Prakash C, Anand Ronald B, Vishnuvardhan K, Praveen Jerish K, Influence of Steel Shots Size on the tribological properties of Magnetic Molded Aluminium Metal Matrix Composite, Telangana State Science Congress, NIT Warangal, 22 Dec to 24 Dec, 2018
3. Arun Prakash C, Anand Ronald B, Subramanian R., Comparison of hardness of cast from sand casting and magnetic moulding., Telangana State Science Congress, NIT Warangal, 22 Dec to 24 Dec, 2018
4. Arun Prakash C, Pranav Shankar, Shibin, Navneeth, Design of Semi Automatic Seeder, Telangana State Science Congress, NIT Warangal, 22 Dec to 24 Dec, 2018
5. Dr. K. Jayakumar, Nil, Inspection of TIG Welded AA7075 Plate, Second National Conference for Mechanical Engineering Research Scholars (MERS-2019), SSN College of Engineering, 29.03.2019
6. Dr.L.Poovazhagan, C. Ganeshpandi, T. Gnaneshwaran, R. Kirubakaran, Fiber Laser Micromachining of Metal Matrix Nano Composites, Second National Conference for Mechanical Engineering Research Scholars (MERS-2019), SSN College of Engineering, 29.03.2019
7. Dr.L.Poovazhagan, Anupa Sri R, Niranj kumar VK , Harish A, Arun S, Pesticide Spraying Machine using chain drive mechanism, Second National Conference for Mechanical Engineering Research Scholars (MERS-2019), SSN College of Engineering, 29.03.2019
8. Dr.L.Poovazhagan, M.Anand Kumar, Friction Stir Processing on Aluminum Metal Matrix Nanocomposites – An Overview, Second National Conference for Mechanical Engineering Research Scholars (MERS-2019), SSN College of Engineering, 29.03.2019
9. Dr.L.Poovazhagan, Amith S C, A Review on Magnesium Alloy Matrix Nanocomposites, Second National Conference for Mechanical Engineering Research Scholars (MERS-2019), SSN College of Engineering, 29.03.2019

10. Dr.L.Poovazhagan, Earnest Beni, Effect of Cryogenically treated in Wire Cut Electric Discharge Machine on Nickel Aluminium Bronze, Second National Conference for Mechanical Engineering Research Scholars (MERS-2019), SSN College of Engineering, 29.03.2019
11. Dr.L.Poovazhagan, S.Venkata Krishnan, Aravind R.K, Experimental Investigations on Mechanical & Tribological Properties of AL6061/Gr/ZrO<sub>2</sub> Hybrid Metal Matrix Composites, Second National Conference for Mechanical Engineering Research Scholars (MERS-2019), SSN College of Engineering, 29.03.2019
12. Dr.L.Poovazhagan, N. Mohammed Waseemuddin, T.Srinivasan, Experimental Investigation on Machining Behaviour of Aluminium 6061/ Gr/ ZrO<sub>2</sub> Hybrid Metal Matrix Composites, Second National Conference for Mechanical Engineering Research Scholars (MERS-2019), SSN College of Engineering, 29.03.2019
13. KL. Harikrishna, M.Ajay Krishnan, S.Ashwin, A.R.Bhuvvan Teja, F.Cedric Kishore Haris, Development of Low Cost Indigenous Motorized Hydraulic Jack, Second National Conference for Mechanical Engineering Research Scholars (MERS-2019), SSN College of Engineering, 29.03.2019
14. A.S. Ramana, -, Review On Thermal Stratification in Solar Thermal Stratification in Solar Thermal Storage System, Second National Conference for Mechanical Engineering Research Scholars (MERS-2019), SSN College of Engineering, 29.03.2019
15. Dr.R.Vimal Samsingh, , Fabrication of Composite Pipe making machine , Second National Conference for Mechanical Engineering Research Scholars (MERS-2019), SSN College of Engineering, 29.03.2019
16. KL. Harikrishna, , Studies on mechanical properties of friction stir welded thick plates of ZE41 magnesium alloy, Second National Conference for Mechanical Engineering Research Scholars (MERS-2019), SSN College of Engineering, 29.03.2019

### **Academic Year 2017-18**

1. G Aditya, H Anand and S Soma Sundaram, Numerical analysis on the effect of injection pressure and injection angle of a sonic injection in a supersonic cross flow, 25 th National Conference on I. C. Engines and Combustion, NITK Surathkal, 15-17 December 2017, NITK Surathkal
2. Arun Prakash. C, Nitin Joy, Ponsuganth Elangovan, Subramanian R, Effect of Blade Design on Angular Velocity of Vertical Axis Wind Turbine – CFD Analysis, National Conference on Fluid Mechanics (NCFM-2017), Dept. Of Mathematics, SSNCE, 27-28th October, 2017

3. K.Subbaiah, A comparison of Tungsten Inert Gas Welding of Two Aluminum-Magnesium Alloys, National Conference on Fluid Mechanics (NCFM-2017), Dept. Of Mathematics, SSNCE, 27-28th October, 2017
4. Arunkumar.D and K.Subbaiah, Scandium Addition to Aluminum Alloy – A Review, National Conference on Surface Science Technology (NCSST 2017), VIT Chennai, Chennai, 10th and 11th November-2017
5. Balamurugan.S and K.Subbaiah, Feasibility Study of Dissimilar Friction Stir Welding of AA5083-H111 and AA5052-H32 alloys, National Conference on Surface Science Technology (NCSST 2017), VIT Chennai, Chennai, 10th and 11th November-2017
6. Shine.K and K.Subbaiah, Friction Stir Welding of AA5083-H111 Aluminum Alloys, National Conference on Surface Science Technology (NCSST 2017), VIT Chennai, Chennai, 10th and 11th November-2017
7. Sasilakshmikanth.R and K.Subbaiah, Dissimilar Friction Stir Welding of AA5083-H111 and AA6061-T6 Aluminum Alloys, National Conference on Surface Science Technology (NCSST 2017), VIT Chennai, Chennai, 10th and 11th November-2017
8. Naveenkumar.P and K.Subbaiah, Dissimilar Friction Stir Welding of AA5083-H111 and AA5754-H111 Aluminum Alloys, National Conference on Surface Science Technology (NCSST 2017), VIT Chennai, Chennai, 10th and 11th November-2017
9. Aarthi.R and K.Subbaiah, Filler Rod Selection in Tungsten Inert Gas welding of Thick Al-Mg Plates, National Conference on Surface Science Technology (NCSST 2017), VIT Chennai, Chennai, 10th and 11th November-2017
10. Ramarajan.A and K.Subbaiah, Effect of Al-Si Filler Rods on the Microstructure and Mechanical Properties of Tungsten Inert Gas Welded AA5083-H111 Alloys, National Conference on Surface Science Technology (NCSST 2017), VIT Chennai, Chennai, 10th and 11th November-2017
11. Sakthivel.S and K.Subbaiah, Effect of Al-Si Filler Rods on Tungsten Inert Gas Welding of AA5083-H111 and AA5754-H111 Aluminum Alloy Plates, National Conference on Surface Science Technology (NCSST 2017), VIT Chennai, Chennai, 10th and 11th November-2017
12. Senthur Vaishnavan K.Subbaiah, Dissimilar Tungsten Inert Gas Welding of AA5083-H111 and AA5754-H111 Aluminum Alloys, National Conference on Surface Science Technology (NCSST 2017), VIT Chennai, Chennai, 10th and 11th November-2017
13. Antony Prabu.D and K.Subbaiah, Dissimilar Tungsten Inert Gas Welding of AA5083-H111 and AA5052-H32 Aluminum Alloys, National Conference on Surface Science Technology (NCSST 2017), held at VIT Chennai, Chennai, VIT Chennai, Chennai, 10th and 11th November-2017
14. Dr. N. Nallusamy, Experimental investigation of effect of EGR on performance, combustion and emission characteristics of RCCI Engine, Nat. conference on "Emerging Research and Advances in Mechanical Sciences", Velammal Engineering College, Chennai, 14th March 218

15. A S Ramana, Review on Recent Developments in PCM Based applications, National Conference on Sustainable Energy Resources for Thermal Systems (SERTS-2018), SSN College of Engineering, 16th March 2018
16. R.Aarthi and K.Subbaiah, Effect of Al-Mg Filler Rods on the Microstructure and Mechanical Properties of TIG Welded Thick AA5083-F Alloys, National Conference on Sustainable Energy Resources for Thermal Systems (SERTS-2018), SSN College of Engineering, 16th March 2018
17. L. Nafeez Ahmed and K.Subbaiah, Tig Welding Of Aa5052-H32 Aluminum Alloy Plates, National Conference on Sustainable Energy Resources for Thermal Systems (SERTS-2018), SSN College of Engineering, 16th March 2018
18. S.Arun And M.Suresh, Numerical Investigations On Single Effect Absorption And Combined ejector-Absorption Refrigeration Systems, National Conference on Sustainable Energy Resources for Thermal Systems (SERTS-2018), SSN College of Engineering, 16th March 2018
19. Gowthama krishnan. M , Rajkumar. S, modeling of soot characteristics of biodiesel fuelled diesel engines, National Conference on Sustainable Energy Resources for Thermal Systems (SERTS-2018), SSN College of Engineering, 16th March 2018
20. D.Antony Prabu and K.Subbaiah, TIG WELDING OF ALUMINUM ALLOYS AA5083-H111 AND AA5052-H32, National Conference on Sustainable Energy Resources for Thermal Systems (SERTS-2018), SSN College of Engineering, 16th March 2018
21. Crushan.R and K.Subbaiah, FRICTION STIR WELDING OF AA5083-H111 AND AA5052-H32 ALLOYS WITH FLAT AND NON-FLAT PINS, National Conference on Sustainable Energy Resources for Thermal Systems (SERTS-2018), SSN College of Engineering, 16th March 2018
22. Jayakishan. B, Prakash. R and Karthikeyan. R, PERFORMANCE AND EMISSION CHARACTERISTICS OF Al<sub>2</sub>O<sub>3</sub>-TiO<sub>2</sub> COATED PISTON DI DIESEL ENGINE FUELED WITH POULTRY WASTE BIODIESEL, National Conference on Sustainable Energy Resources for Thermal Systems (SERTS-2018), SSN College of Engineering, 16th March 2018
23. Sundar N J, Praveen Kumar V and Satheesh Kumar Gopal, INVESTIGATIONS ON WEAR RATE REDUCTION OF TILLER BLADE, National Conference on Sustainable Energy Resources for Thermal Systems (SERTS-2018), SSN College of Engineering, 16th March 2018
24. T. ANANDAVELU and S. RAJKUMAR, INFLUENCE OF BIODEISEL ON PERFORMNACE AND EMISSION IN DIRECT INJECTION DIESEL ENGINES, National Conference on Sustainable Energy Resources for Thermal Systems (SERTS-2018), SSN College of Engineering, 16th March 2018

25. S.Vijayan R.Sundareswaran, SELECTION OF WELDING PROCESS USING GRAPH THEORETICAL APPROACH, National Conference on Sustainable Energy Resources for Thermal Systems (SERTS-2018), SSN College of Engineering, 16th March 2018
26. Vijayan Sundaravel and Prasath S, WELD FORMATION STUDIES ON FRICTION STIR WELDING OF DISSIMILAR MAGNESIUM ALLOYS AZ31B AND ZM21, National Conference on Sustainable Energy Resources for Thermal Systems (SERTS-2018), SSN College of Engineering, 16th March 2018
27. ASHWIN KUMAR R, KIRUBAKARAN A R, LOHIT M AND EBENEZER D, EFFECT OF GLAZING ON THE PERFORMANCE OF SOLAR DRYER, National Conference on Sustainable Energy Resources for Thermal Systems (SERTS-2018), SSN College of Engineering, 16th March 2018
28. Arun Prakash C, Naveenraj P, Praveen Jerish K, Sachin Abishek S, DEVELOPMENT OF MACHINE VISION BASED DRILLING PROCESS, National Conference on Sustainable Energy Resources for Thermal Systems (SERTS-2018), SSN College of Engineering, 16th March 2018
29. Sakthi Vigneshwaran S C, Vishnuvardhan K, Arun Prakash C, MACHINE VISION FOR INSPECTION AND SORTING – A REVIEW, National Conference on Sustainable Energy Resources for Thermal Systems (SERTS-2018), SSN College of Engineering, 16th March 2018
30. Naveenkumar.Pand K.Subbaiah, SQUARE TOOL PIN PROFILE STUDIES ON FRICTION STIR WELDED JOINTS OF AA5083-H111 AND AA5754-H111 ALUMINUM ALLOYS, National Conference on Sustainable Energy Resources for Thermal Systems (SERTS-2018), SSN College of Engineering, 16th March 2018
31. Arunkumar.D and K.Subbaiah, CHARACTERISATION OF VACUUM INDUCTION MELTED CAST Al-Mg-Sc ALLOYS, National Conference on Sustainable Energy Resources for Thermal Systems (SERTS-2018), SSN College of Engineering, 16th March 2018
32. R.Vimal Samsingh, Shyam Raman, K.S.Jayakumar, M.Praveen, DESIGN AND DEVELOPMENT OF FLEXIBLE BASED VALVE USING SHAPE MEMORY ALLOY FOR INDUSTRIAL ENGINEERING APPLICATIONS, National Conference on Sustainable Energy Resources for Thermal Systems (SERTS-2018), SSN College of Engineering, 16th March 2018
33. T. Anandavelu and S. Rajkumar, Influence of biodeisel on performance and emission in direct injection diesel engines, Sustainable Energy Resources for Thermal Systems (SERTS 2018), SSN College of Engineering, 16th March 2018