

Last 5 years Publication List

1. R. Rajavel ,A. R. Sivaram, G. Kanimozhivendhan and V. P. Durai Raj “Performance Investigation of a Closed Cycle Magneto Hydrodynamics Powerplant with Liquid Metal as Heat Source “.Indian Journal of Science and Technology, Vol 8(21), IPL0236, September 2015.
2. R. Rajavel., A. R. Sivaram., K. Karuppasamy., and C. Jagadesh Vikram “Performance Analysis of A Inverted Downdraft Biomass Wood Stove”. International Journal of Mechanical Engineering and Technology (IJMET) Volume 6, Issue 8, Aug 2015, pp. 144-155
3. R. Rajavel.,A. R. Sivaram.,K. Krishnakumar.,R. Sabarish “Experimental Investigation of Creep Behaviour of Aluminium Alloy (LM25) and Zirconium Di-Oxide (ZRO2) Particulate MMC” International Journal of Mechanical Engineering and Technology (IJMET) Volume 6, Issue 8, Aug 2015, pp. 126-138.
4. R. Rajavel.,N. Jayakumar.,S.Mohanamurugan and V. Srinivasan “Morphological Characterisation of Poly Methyl Methacrylate For Surface Coating Of Metals” International Journal of Mechanical Engineering and Technology (IJMET) Volume 6, Issue 8, Aug 2015, pp. 139-143.
5. R.Rajavel, S.Sathish Kumar, A.R.Sivaram,“Thermodynamic Analysis of a Cascade Refrigeration System with R744/R290 Mixtures”, Indian Journal of Science and Technology, 2015, 8 (36). Scopus
6. R.Rajavel, A.R.Sivaram, Dr.K.Karuppasamy, B.Arun Prasad, “Experimental Investigations on the Performance of a Water Heater Using Waste Heat from an Air Conditioning System”, Indian Journal of Science and Technology, 2015, 8 (36). Scopus
7. Rajavel N.Jayakumar, S.Mohanamurugan “Investigation Of Glass Fiber Reinforced Epoxy Composites For Buckling Strength” International Journal of Applied Engineering Research, 10(33), 2592-2599, 2015. Scopus
8. R.Rajavel, A.R.Sivaram, G.Kanimomozhivendhan, V.P.Durai Raj “Performance Investigation Of A Closed Cycle Magneto Hydrodynamics Power Plant With Liquid Metal As Heat Source Indian Journal of Science and Technology, 8(21),1-6. 2015 Scopus
9. Rajavel, R Jayakumar, N., Mohanamurugan, S., & Kumar, J. A “Residual Stress Analysis In Austenitic Stainless Steel Weldment By Finite Element Method Indian Journal of Science and Technology, 8(36), 1-4. 2015 Scopus
10. R.Rajavel, S.M.Abeetha , T.Karthikeyan, A.R.Sivaram, K.Umanath “A Review On Distillate Productivity Enhancement Techniques In The Single Basin Solar Still Journal of Advanced Research in Dynamical and Control Systems, S2, 898-924. 2017 Scopus & UGC
11. R. Rajavel, P. Ramachandran, K. Umanath, A.R. Sivaram, K. Srividhya, “Comparative Assessment Of Wiper And Conventional Tool Inserts In Dry Turning Of Aisi 310 Stainless Steel” Journal of Advanced Research in Dynamical and Control Systems, S2, 860-876. 2017 Scopus & UGC

12. R. Rajavel , K. Srividhya, , K. Umanath, A.R. Sivaram, V. Srinivas, N. Jayakumar. "Effects Of Fuel Injection Timing, Injection Angle, Ignition Position On Emission And Spraycharacteristics - An Overview " Journal of Advanced Research in Dynamical and Control Systems, S2, 818-825. 2017 Scopus & UGC
13. R.Rajavel , R. Praveen Kumar, P.Ramachandran, K.Umanath, P.Sarathkumar "Experimental Investigation On Hot Machining Of 17-4 Ph Stainless Steel" Journal of Advanced Research in Dynamical and Control Systems, S2, 682-693. 2017
14. R. Rajavel, R. Praveen Kumar, , K. Umanath, P. Ramachandran, N. Jayakumar "Experimental Investigation On Laser Based Turning Of 17-4 PH Stainless Steel" Journal of Advanced Research in Dynamical and Control Systems, S2, 805-817 .2017 Scopus & UGC
15. R.Rajavel , G.Vijayaganth, A.R.Sivaram, K.Umanath,, K.Srividhya "Experimental Study Of Cold Formed Steel Z-Sections With Stiffened Holes" Journal of Advanced Research in Dynamical and Control Systems, S2, 799-804 2017 Scopus & UGC
16. R.Rajavel , A.R.Sivaram, S.K.Krishnakumar, K.Umanath, , N.Jayakumar "Experimental Study On Hardness Of Aluminium Alloy (Lm25) And Zro2 Metal Matrix Composite" Journal of Advanced Research in Dynamical and Control Systems, S2, 877-882 .2017. Scopus & UGC
17. R.Rajavel , A.R.Sivaram, M.Jaya Kumar, K.Umanath, , T.Karthikeyan "Experimental Study On Surface Quality Of Mig Welded Joints" Journal of Advanced Research in Dynamical and Control Systems, S2, 925-929. Scopus & UGC
18. R.Rajavel , R. Praveen Kumar, , K.Umanath, D.S.Balaji, G.Vijayaganth "Optimising The Machining Parameters To Reduce The Cycle Time In The Turning Of Stainless Steel 316 Journal of Advanced Research in Dynamical and Control Systems, S2, 694-707. Scopus & UGC
19. R.Rajavel , A.R.Sivaram, V.Vinoth Kumar, K.Umanath, P.Sarathkumar, "Optimization Of Machining Parameters In Wire Cut Edm Using Taguchi Techniques" Journal of Advanced Research in Dynamical and Control Systems, S2, 883-897. 2017 .Scopus & UGC
20. R.Rajavel , P. Ramanathan, V. Srinivas, A.R.Sivaram, "Hydro Treated Vegetable Oil Derived Renewable Diesel: A Technological Review" International Journal of Mechanical Engineering & Technology, 7(8) 2017 .Scopus & UGC
21. R.Rajavel, P.Sarathkumar, A.R.Sivaram, , R.Praveen Kumar, S.K.Krishnakumar "Experimental Investigations On The Performance Of A Water Heater Using Encapsulated PCM With Nanoparticle" Materials Today Proceedings, 4(2) 2017 .Scopus & UGC
22. R. Rajavel , N.Jayakumar, S.Mohanamurugan, "Study Of Wear In Chrome Plated Cylinder Liner In Two Stroke Marine Diesel Engine Lubricated By Hans Jensen Swirl Injection Principle" Materials Today Proceedings, 4(2) 2017 .Scopus & UGC
23. R. Rajavel, A. R. Sivaram, N. Jayakumar and M. Vinothkumar "Exhaust back pressure effect on the performance features of a diesel engine" ARPN Journal of Engineering and Applied Sciences, 12(19)2017, 5353-5356 . Scopus & UGC

24. R. Rajavel ,P. Ramanathan “A Review On Effect of Nano-Sized Particle As Fuel Additive In CI Engine” International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN (P): 2249-6890; ISSN (E): 2249-8001 Vol. 8, Special Issue 7, Oct 2018, 971-981