

Last 5 years Publication List

1. R.Bharathiraja, Dr.K.S.Amirthagadeswaran, N.Praveenkumar, **S.Periyasamy**, K.Ramesh Babu "Study on Characteristics of CI Engine Using Nano Additive Blended Diesel Fuel" International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.67 (2015).
2. N. Praveenkumar, **S.Periyasamy**, R.Bharathiraja, B. Senthilkumar "Outlet Temperature Prediction Modelling and Analysis of Flat Plate Solar Collector Using Al₂O₃ Based Nano Fluid "International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.67 (2015).
3. V. Santhosh, **S. Periyasamy**, P. Sivakumar, B. Vijayakumar, N. Yasvanthrajan, Muralidharan.N.G "Production of Biodiesel by Cinder Supported nano MgO/KF as the Heterogeneous Base Catalyst using Rapeseed Oil" Journal of Chemical and Pharmaceutical Sciences, ISSN 0974-2115 Special Issue 11, pp:80-82 (2015).
4. A.Sakthi Saravanan, **S. Periyasamy**, P. Sivakumar, B. Vijayakumar, V. Santhosh, Muralidharan.N.G "Studies on Mixed Waste Vegetable Oil for Production of Biodiesel by using Mg/AlNO₃ and KOH as Catalyst" Journal of Chemical and Pharmaceutical Sciences, ISSN 0974-2115 Special Issue 11, pp:77-79.(2015).
5. B.Dhamodharan, **Dr.S.Periyasamy** "Utilization of Waste Heat Recovery From Solar Panel" International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.88 (2015), pp:86-90.
6. R.Prakash, M.Mahendran, R.Thirunavukkarasu, **Dr.S.Periyasamy** "Effect of Compression Ratio on Performance and Emission Characteristic Of Diesel on a VCR Engine with Single Hole Injector Nozzle" International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.88 (2015), pp:100-104.
7. P.Xavier Vivek Paul, **Dr.S.Periyasamy**, S.Kumar "Optimization of Process Parameters of Friction and Wear Behavior of TiB₂ Reinforced In-Situ Composites" International Journal of Engineering research, ISSN 2321-7758 Vol. 4 Issue 3 (2016), pp:130-134.
8. B.Dhamodharan, **Dr.S.Periyasamy**, "Analysis of Solar Cell with MGO Anti-Reflective Coating" International Journal for Scientific Research & Development, ISSN (online): 2321-0613, Vol. 4, Issue 04, 2016, pp-414-417
9. K.Gopinath, **Dr.S.Periyasamy**, "Vibration Analysis on Rotating Shaft Using Matlab" International Journal of Science Technology and Engineering, ISSN (online):2349-784X, Vol. 3, Issue 06, 2016, pp-248-252
10. A.Aravind Kumar, **Dr.S.Periyasamy**, "2-D CFD Analysis of Ring Airfoil UAV" International Journal of Science Technology and Engineering, ISSN (online):2349-784X, Vol.3, Issue 07, 2017, pp-192-195
11. A.A. Muhammad Irfan, **Dr.S.Periyasamy**, "Experimental Study on Diesel Engine using Hevea Brasiliensis Biodiesel Blend with Di Tertiary Butyl Peroxide Additive as fuel" International Journal of Engineering Research and Technology, ISSN:2278-0181, Vol.6, Issue 03, 2017, pp - 408-411

12. M. Sanjai, **S. Periyasamy**, "Production Inventory Model with Reworking of Imperfect Items and Integrates Cost Reduction Delivery Policy, International Journal of Operational Research, Vol. 32, No. 3, 2018.
13. M. Sanjai, **S. Periyasamy**, 'An Inventory Model for Imperfect Production System with Rework and shortages', International Journal of Operation Research,(Accepted)
14. A.A. Muhammad Irfan, Dr.**S.Periyasamy**, "Investigation of Hevea Brasiliensis Blends with an Aid of Rancimat Apparatus and FTIR Spectroscopy" International Journal of Engineering and Technology, ISSN:2319-8613, Vol.9, Issue 04,2017, pp - 2794-2799.
15. A.Sakthi Saravanan, **S. Periyasamy**, P. Sivakumar "Production of Biofuel from Shorearobusta Seed Oil Using Nano MgO Catalyst" Springer Proceeding in Energy, Book ISBN 978-3-319-63084-7, Chapter 16.(2017).
16. E. Saravanapprabhu, M. Mahendran, **Dr. S. Periyasamy**, "A Review Analysis of Effect of Variable Compression Ratio in Engine Using Turbocharger" IJSRSET-2017 (3)1, Themed Section: Engineering and Technology, ISSN: 2395-1990, pp309-312.
17. D.Elumalai, T.Elavarasan, A.Dinesh Kumar, Prof. A.Vadivel, **Dr. S. Periyasamy** "A Review Study on Experimental Investigation on Improving Thermal Performance of IC Engine By Varying The Piston Coating And Using Biodiesel as a Blend" IJSART-2017-(3)1, ISSN : 2395-1052, pp 213-220.
18. **Dr. S. Periyasamy**, Mr. A. Vadivel "Investigation on Thermal Performance of Elliptical Piston Profile in Texvel Diesel Engine" International Journal for Scientific Research & Development| Vol. 5(05) 2017, ISSN : 2321-0613, pp 180-182.
19. Mohankumar.N, **Dr. S. Periyasamy**, "Flutter Analysis of Unmanned Aerial Vehicle Wing" International Journal for Science and Advanced Research in Technology,| Vol. 4(01) 2018, ISSN : 2395-1052, pp 1015-1018.
20. M.Siva, **Dr. S. Periyasamy**, "Vibration Analysis of Internal Combustion Petrol Engine by Mathematical Model" International Journal for Science and Advanced Research in Technology,| Vol. 4(01) 2018, ISSN : 2395-1052, pp 732-740.
21. D. Sathish, R. Thirunavukkarasu, Dr. S. Jegadeeswaran, **Dr. S. Periyasamy** "Experimental Investigation on Shallow Solar Pond Using CuO Nano Particles" Applied Mechanics and Materials-2018- Vol. 877, ISSN :1662-7482, pp 409-413.
22. **S.Madhankumar, Dr.K.Manonmani, Dr.S.Periyasamy,S.Rajesh, S.Kannaki** "Experimental Study of Effect of Parameters on Material Removal Rate for Electrochemical Machining of Aluminium Matrix Composite" International Journal of Creative Research Thoughts- Volume 5, Issue 4 October 2017, ISSN : 2320-2882, pp 1062-1065.
23. R.Tamilselvan,R.RameshbabuR.Thirunavukkarasu, **Dr. S. Periyasamy**, "Effect of fuel injection timing on performance and emission characteristics of ceiba pentandra biodiesel" Materials Today: Proceedings 5 (2018) 6770–6779.

24. R. Thirunavukkarasu , M. Mahendran, Dr. **S. Periyasamy**, R. Tamilselvan, “Investigation on Single, Four And Five Holes Fuel Injector Nozzle on Performance And Emission Characteristic of Diesel on A VCR Engine by Using Ceramic Coating Material on The Piston Crown” *Materials Today: Proceedings* 5 (2018) 7577–758.
25. Arunprasad As, **Periyasamy S**, Sivakumar P, Sakthi Saravanan A & Anirbid Sircar Optimization and kinetic studies on biodiesel production from microalgae (*Euglena sanguinea*) using calcium methoxide as catalyst, ISSN: 1556-7036 (Print) 1556-7230 (Online) Journal homepage: <http://www.tandfonline.com/loi/ueso20>
26. N. Vivek Masthiraj, **Dr. S. Periyasamy** “An Investigation on Aeroelasticity Effects in Unmanned Aerial Vehicle” *IJSART - Volume 4 Issue 9 – SEPTEMBER 2018* ISSN [ONLINE]: 2395-1052.
27. S. Ragul, **S. Periyasamy** “Numerical Investigation on High Performance Supercritical Airfoil using Co-Flow Jet Control” *International Journal for Research in Applied Science & Engineering Technology (IJRASET)*, ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 6.887, Volume 6 Issue 12, Dec 2018. pp-915-927.
28. Vibin, **S. Periyasamy** “Cell Geometry Effect On The Vibration Behaviour of Sandwich Composite Structure” *International Journal of Research in Advent Technology*, ISSN: 2321-9653, Volume 7 Issue 03, May 2019. pp-109-1112.
29. Santhosh, **S. Periyasamy** “Experimental Design For Single Degree Of Freedom Vibration System” *International Journal of Research in Advent Technology*, ISSN: 2321-9653, Volume 7 Issue 03, May 2019. pp-401-405.
30. **S. Periyasamy**, S. Ragul, K. Sundararaj and P. S. Premkumar “Numerical Investigation on the Cold Flow Field of a Typical Cavity-based Scramjet Combustor with Double Ramp Entry” *International Journal of Turbo & Jet-Engines*, March 2020.
31. A. Vadivel , **S. Periyasamy** “Experimental Investigation of Thermal Barrier (8YSZ/MGO-TiO₂) Coated Piston used in Diesel Engine” *Journal of Applied Fluid Mechanics* EISSN 1735-3645, Vol. 13, No. 4, pp. x-x, 2020.