

Publications (International)

1. **Senthil Kumar Angappamudaliar Palanisamy** ,Selladurai Rajangam and Janaki Saminathan (2020), "Experimental Investigation to Identify the effect of nanoparticles based diesel fuel in VCR engine", Energy Sources, Part A: Recovery,Utilization and Environmental Effects , (2020).pp 1-16.
2. **A.P.Senthil Kumar** S Yuvaraj and S Janaki (2020), "Experimental investigation of Co₃O₄,SiO₂,Cotton seed oil additive blends in the diesel engine and optimization by ANN-SVM Process", Journal of ceramic Processing Research , Vol. 21 (2020).pp 217-225.
3. R.Yasodharan, **A.P.Senthil Kumar** Mohankumar P,Ajayan and Sivabalakrishnan R (2020), "Investigation and influence of layer composition of tandem perovskite solar cells for application in future renewable and sustainable energy ", Optik., Vol. 212, No. 16473, pp. 1-8.
4. S. Janaki, M. Perumalsamy, K. Sades, **A. P. Senthil Kumar** (2019), "Failure investigation in thermal power plant and enlightening Performance by using lean tools", International Journal of Engineering and Robot Technology , Vol. 6(2) (2019) pp 19-24.
5. S. Janaki, M. Perumalsamy, K. Sades, **A. P. Senthil Kumar** (2019), "Execution of Lean Six Sigma in Eye Bolt Engineering Productiveness", International Journal of Engineering and Robot Technology , Vol. 6(2) (2019).pp 25-31.
6. S. Janaki, R. Rajesh, K. Sades, **A. P. Senthil Kumar** (2019), "Enactment of Lean Six Sigma in Strainer Built-Up Industry", International Journal of Engineering and Robot Technology , Vol. 6(2) (2019).pp 32-37.
7. K. Sades, **A. P. Senthil Kumar**, S. Udhayakumar, R. Sridhar, R. Pradeep Kumar (2019), "Study of Automated Agriculture Robot for House Farming", International Journal of Engineering and Robot Technology , Vol. 6(2) (2019).pp 38-42.
8. **A.P.Senthil Kumar**, K sades, K P Renuka devi and S Janaki (2019), "Study of heat transfer enhancement by Cu-Water nano fluid in double pipe heat exchanger", International Journal of Engineering and Robot Technology , Vol. 6(2) (2019).pp 13-18.
9. **A.P.Senthil Kumar**, R Y Sudhir, S Janaki, Murugesan Arthanarisamy and K Sades (2019), "Investigation on Compression Ratio Engine using Nanoparticle Blended Diesel Fuel ", International Journal of Engineering and Advanced Technology , Vol. 8 (2019).pp 243-245.
10. **A.P.Senthil Kumar**, S Yuvaraj, C J Thomas Renald, S Janaki and K Sades (2019), "A Review of the Performance and Emission characteristics of a stationary Diesel Engine Fueled by Schleicheraleosa oil Methyl ester, blends of Neem Biodiesel, Rice Bran Biodiesel, Palm and Palm Kernel oil, ",

11. S.Vignesh Sivabalakrishnan R,K P Arulshri , **A.P.Senthil Kumar** and P Dinesh Babu (2019), "Analysis and simulation automatic change over system in vehicle headlights for prevention of road accidents ", International Journal of Mechanical and Production Engineering Research and development , Vol. 9 (2019).pp 136-140.
12. Sivabalakrishnan R and **A.P.Senthil Kumar** (2019), "Design and development of wireless controlled Electro-pneumatic operated mobile crane system for material handling process ", International Journal of Mechanical and Production Engineering Research and development , Vol. 9 (2019).pp 184-193.
13. Sathiya Balaji P Janaki S and **A P Senthil Kumar** (2018), "Six Sigma Implementation in Power Distribution ", Research Journal of Science and Engineering Systems , Vol 3 (4) (2018).pp 165-182.
14. Sivabalakrishnan S.Vignesh and **A.P.Senthil Kumar** (2018), "The Modelling of automatic vehicle headlight changeover (Orientation and leveling) system for road safety applications ", International Journal of Mechanical and Production Engineering Research and development , Vol. 8 (2018).pp 1468-1471.
15. P Ravikumar ,B Giriraj, **A P Senthil Kumar** (2018), "Experimental Investigation of wear properties of uni-directional jute/carbon fiber reinforced hybrid polyester composite ", Journal of the Balkan Tribological Association , Vol24) (2018).pp 507-520.
16. **A.P.Senthil Kumar** , ,N.Jagadesh, and S Janaki (2018), "CFD based study and optimization of manifold systems ", International Research Journal of Engineering and Technology , Vol. 5(9) (2018).
17. P Ravikumar,B Giriraj and **A.P.Senthil Kumar** (2018), "Wear properties of Jute/Carbon Fiber Reinforced Hybrid Polyester Composites ", TAGA Journal, Vol. 04, pp. 1680-1686.
- 18.38. R.Selladurai,T.Sakthivel,C Chinnasamy and **A.P.Senthil Kumar** (2018), "Experimental studies on the performance and emission characteristics of compression ignition engine fueled with Jatropha and Pongamia biodiesel along with Alumina Nano particles", International Journal of Research ., Vol. 07, Issue VII, pp. 43-52.
19. N Jagadeesh, **A.P.Senthil Kumar** and S Janaki (2018) "Studies on Mechanical and thermal behaviors of Al6061-SiC-Gr-ZrO₂ nano hybrid composites", Material Research Express., Vol. 05, 2018.
20. **A.P.Senthil Kumar**, S Janaki, N.Jagadesh, T Sakthivel, and R Selladurai (2018), "Experimental Investigation on Heat Storage Co efficient of Two

Phase materials ", International Journal of Engineering and Robot Technology , Vol. 4(2) (2018).pp 41-45.

21. **A.P.Senthil Kumar**, S Janaki, N.Jagadesh, R Selladurai and T Saktiivel (2018), "Comparison of 2D and 3D Effects on Various Geometry to predict the effective thermal conductivity of porous system ", International Journal of Engineering and Robot Technology , Vol. 5(1) (2018).pp 6-12.
22. R.Yasodharan, **A.P.Senthil Kumar** G Jeya Murugam, N Karthick and V Karvendhan (2017), "Mathematical Modeling of solar Tracking system using micro controller ", International Journal of Modern Trends in Engineering and science., Vol. 04, No. 01, pp. 44-47.
23. V.Nandhakumar, M.Muthukumar and **A.P.Senthil Kumar** (2016), "Parameters influencing the performance of PEM Fuel cell-A Review", International Journal of Engineering Research, Vol.4(2016).pp 14-20.
24. M.Muthukumar, P.Karthikeyan and **A.P.Senthil Kumar** (2016), "Influence of Temperature and Pressure on the Performance of Proton Exchange Membrane Fuel Cell", Asian Journal of Research in Social Sciences and Humanities, Vol.6(2016).pp 1387-1400.
25. S Janaki,, R Jayachitra and **A.P.Senthil Kumar** (2016), "Flow Analysis of wet scrubber and Fabric Filter using Computational Fluid Dynamics", Asian Journal of Research in Social Sciences and Humanities, Vol.6(2016).pp 1840-1853.
26. V.Prabhu Raja, **A.P.Senthil Kumar** and P Karthikeyan (2016), "Numerical Modeling for Hexagonal and Octagonal Geometrical Inclusions to Estimate the Effective Thermal Conductivity of Two Phase Materials with the effect of Natural Convection", Advances in Natural and Applied Sciences, Vol.7(2016).pp 205-219
27. **A.P.Senthil Kumar** , R.Gopinathan, P.Karthikeyan, S Janaki and M.Muthukumar (2016), "Development of Analytical Model to Estimate the Effective Thermal Conductivity of Two Phase Materials with Nano Particles", Asian Journal of Research in Social Sciences and Humanities, Vol.6 No:10(2016).pp 920-936.
28. S Janaki,, R Jayachitra and **A.P.Senthil Kumar** and Poornima C (2016), "Cost Evaluation of Pollution Control Devices in a small Scale Foundry ", Asian Journal of Research in Social Sciences and Humanities, Vol.6 No:10(2016).pp 786-796.
29. V.Nandhakumar, M.Muthukumar and **A.P.Senthil Kumar** (2016), "Analysis of Parameters Influencing the Performance of PEM Fuel Cell by ANSYS", International Journal of Advanced and Innovative Research, Vol.5 No:9(2016).pp 116-128

30. R Jayachitra, **A.P.Senthil Kumar** ,K.Ramesh Babu and R R Pradeep (2016), "Improvement of Overall Equipment Effectiveness in a Bush Forming Machine ", International Journal of Engineering and Robot Technology , Vol. 3(1) (2016).pp 20-28.
31. R Jayachitra, **A.P.Senthil Kumar** , and U Mohamed Faizel (2016), "Quality Enhancement in Plastic Manufacturing Industry using six sigma methodology ", International Journal of Engineering and Robot Technology , Vol. 3(1) (2016).pp 7-9.