

Publication details of Dr.A.P.Senthil Kumar:

1. B.Selvakumar, S. V.Prabhu Raja, A. P. Senthil Kumar, P.Karthikeyan,. Prabhu, (2014), "Investigation on Effective Thermal Conductivity of Foam using Transient plane heat source method", International Journal of Research in Engineering and Technology, Vol.3(2014).pp 249-251.
2. V.Lakshminarayanan, P.Karthikeyan,M.Muthukumar, A.P.Senthil Kumar, B.Kavin, and A.Kavyaraj(2014), "Numerical investigation of performance studies on single pass PEM fuel cell with various flow channel design", Applied Mechanics and Materials, Vol.592-594(2014).pp 1672-1676.
3. M.Muthukumar, P.Karthikeyan,V.Lakshminarayanan, A.P.Senthil Kumar, M.Vairavel, and R.Girimurugan(2014), "Performance studies on PEM Fuel cell with 2,3 and 4 passserpentine flow field designs", Applied Mechanics and Materials, Vol.592-594(2014).pp 1728-1732.
4. S.babu, K.Manisekar, A.P.Senthil Kumar, D.Rajenthirakumar(2015), "Experimental Study of Thermal Contact Resistance in Hardened Bearing Surfaces", Experimental Heat Transfer, Vol.28(2015).
5. A.P.Arun, A.P.Senthil Kumar,B.Giriraj and A.Faizur rahaman,(2014), "Gear Test Rig-A Review, Vol.14-594(2014). International Journal of Mechanical and Mechatronics Engineering, Vol.14(2014).pp 16-26.
6. M.Muthukumar, P.Karthikeyan,M.Vairavel, C.Loganathan,S.Praveenkumar, and A.P.Senthil Kumar (2014), "Numerical Studies on PEM Fuel Cell with Different Landing to Channel Width of Flow Channel", Procedia Engineering, Vol.97(2014).pp 1534-1542.
7. A.P.Arun,B.Giriraj,A.P.SenthilKumar, and Suresh Williams (2014), "Finite Element Analysis of Laminated and Bimetallic Spur Gear", International Journal of Applied Engineering Research, Vol.10(2015).pp 2371-2392.
8. M.Muthukumar, S.Saravanaperumal,V.Lakshminarayan and A.P.Senthil Kumar (2015), "Effect of Multi-pass Sepentine Flow Field Designs on the performance pf Proton Exchange Membrane Fuel Cell", International Journal of Applied Engineering Research, Vol.10(2015).pp 22429-22435.
9. enthil Kumar .A.P, Karthikeyan .P, Prabhu Raja .V and Ramu .M (2012), "Comparison of 2-D and 3-D effects on Various Geometry to Predict the Effective thermal Conductivity of Porous System", National Journal of Technology, Vol. 8, No. 4, pp. 8-11.
10. R.Yasodharan, A.P.Senthil Kumar and R.Jayachitra (2015), "Assessment of Maximum Power Point Tracking Techniques in Photovoltaic Array", National Journal of Technology, Vol. 11, No. 3, pp. 67-73.
11. Karthikeyan P, A.P.Senthil Kumar R.Jayachitra, BalaGowtham,Manikandan B,Mohamed Rafeek S and Gopinathan R (2015), "Estimation and Comparsion on Effective Thermal Conductivity of Triangular Geometry Model for Two-phase Materials ", National Journal of Technology, Vol. 11, No. 3, pp. 43-49
12. 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.

13. 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.
14. S Janaki,,R Jayachitra and A.P.Senthil Kumar (2016), "Flow Analysis of wet scrubber and Fabric Filter using Computational Fluid DynamicsI", Asian Journal of Research in Social Sciences and Humanities, Vol.6(2016).pp 1840-1853.
15. 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
16. 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.
17. S Janaki,,R Jayachitra and A.P.Senthil Kumar and Poornima C (2016), "Cost Evaluation of Pollution Control Devices in a small Scale Foundary ", Asian Journal of Research in Social Sciences and Humanities, Vol.6 No:10(2016).pp 786-796.
18. 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
19. 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.
20. R Jayachitra, A.P.Senthil Kumar , and U Mohamed Faizel (2016), "Quality Enhancement in Plastic Manufacturing Industry using six sigma methodology ",
21. International Journal of Engineering and Robot Technology , Vol. 3(1) (2016).pp 7-9.
22. R.Yasodharan, A.P.Senthil KumarG 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. 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.
24. 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 Jatropa and Pongamia biodiesel along with Alumina Nano particles", International Journal of Research ., Vol. 07, Issue VII, pp. 43-52.
25. N Jagadeesh, A.P.Senthil Kumar and S Janaki, "Studies on Mechanical and thermal behaviors of Al6061-SiC-Gr-ZrO2 nano hybrid composites", Material Research Express., Vol. 05, 2018.
26. 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.

27. 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.
28. A.P.Senthil Kumar , ,N.Jagadesh, and S Janaki (2018), "CFD based study and optimization of manifold ststems ", International Research Journal of Engineering and Technology , Vol. 5(9) (2018).
29. 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.
30. 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.
31. 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.
32. 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.
33. S.Vignesh Sivabalakrishnan R,K P Arulshri , A.P.Senthil Kumar and P Dinesh Babu , (2019), "Analysis and simulation automatic change over system in vechile headlights for prevention of road accidents ", International Journal of Mechanical and Production Engineering Research and development , Vol. 9 (2019).pp 136140.
34. 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, ", International Journal of Mechanical and Production Engineering Research and development , Vol. 9 (2019).pp 857-861.
35. 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.
36. 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.
37. 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.
38. 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.

39. 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.
40. 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.
41. 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.
42. 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.
43. 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.