RESEARCH PUBLICATIONS

No. of papers: 46 (From 2015 to till date)

PUBLICATION DETAILS

1. N.Nagasubramanian, **M.R. Thansekhar**, M.Venkateshan, K.Ramanathan, Effect of Al2O3/water Nanofluid on Conjugate Free Convection in a Baffle Attached Square Enclosure., Mechanika, 26,2, **2020** [**Impact factor: 0.48]**
2. S.Ramanathan, **M.R.Thansekhar**, P.Rajeshkanna, P.Gunnasegaran, A New Method of Acquiring Perquisites of Recirculation and Vortex Flow in Sudden Expansion Solar Water Collector Using Vortex Generator to Augment Heat Transfer, International Journal of Thermal Sciences, 153, **2020**, Elsevier. **[Impact factor: 3.488]**
3. S.Ramanathan, **M.R.Thansekhar**, P.Rajeshkanna, P.Gunnasegaran, A New Method of Enhancing Heat Transfer in Sudden Expansion Channel using Vortex Generators With Toe-out and Toe-in Configurations by Acquiring Perquisites of Recirculation and Secondary Vortex Flow, Journal of Mechanical Science and Technology, 33, 8, 3913-3925, **2019**, Springer.**[Impact factor: 1.221]**
4. G.Udaya Kumar, D.Venkata Krishnan, S.Suresh, **M.R. Thansekhar**, RVarunPrasanna, M.Jubal, Investigating the combined effect of square microgrooves andCNT coating on condensation heat transfer, Applied Surface Science, 469, 50-60, **2019,** Elsevier.**[Impact factor: 5.155]**
5. G.UdayaKumar , S.Suresh, **M.R. Thansekhar,** D.Halpati, Role of inter-nanowire distance in metal nanowires on pool boiling heat transfer characteristics, Journal of Colloid and Interface science, 532, 218-230, **2018,** Elsevier.**[Impact factor: 6.361]**
6. D.Venkata Krishnan, G.Udayakumar , S. Suresh, **M.R. Thansekhar,**U.Iqbal,Evaluating the scale effects of metal nanowire coatings on the thermal performance of miniature loop heat pipe, Applied Thermal Engineering, 133,727-738,**2018,** Elsevier.**[Impact factor: 4.026]**
7. G.Udaya Kumar, KhushbooSoni, S.Suresh, KaushikGhosh, **M.R.Thansekhar,**P.Dinesh Babu, Modified surfaces using seamless graphene/carbon nanotubes based

nanostructures for enhancing pool boiling heat transfer, Experimental Thermal and Fluid Science, 96, 493-506,**2018,** Elsevier.**[Impact factor: 3.493]**

8. V. Sivaramkumar, **M. R.Thansekhar,** R. Saravanan, S. Miruna Joe Amali, Demonstrating the importance of using total time balance instead of route balance on a multi-objective vehicle routing problem with time windows, The International Journal of Advanced Manufacturing Technology, 98, 1287-1306,**2018,** Springer.**[Impact factor: 2.496]**
9. R.Muneeswaran, **M.R.Thansekhar**, V.Karthickeyan, Comparative studies on the performance and emissions of a direct injection diesel engine fueled with neem oil and pumpkin seed oil biodiesel with and without fuel preheater, Environmental Science and Pollution Research, 25, 5, 4621-4631, **2018,** Springer. **[Impact factor: 2.914]**
10. R. Ashok kumar, **M.R.Thansekhar,** Mechanical and wear properties of friction stirwelded dissimilar AA6101-T6 and AA1350 alloys: Effect of offset distance and number of passes,Journal of Mechanical Science and Technology, 32, 7, 3299-3307, **2018,** Springer.**[Impact factor: 1.221]**
11. R. Ashok kumar, **M.R.Thansekhar,**Reinforcement with alumina particles at the interface region of AA6101-T6 and AA1350 alloys during friction stir welding,Materials Research Express, 5,4,046521,**2018,** IOP Publishing.**[Impact factor:1.449]**
12. **M.R. Thansekhar**, C Anbumeenakshi, Heat Transfer Enhancement of Nanofluid Cooled Microchannel Heat Sink,Advanced Science, Engineering and Medicine, 10,3,346-350, **2018,** American Scientific Publishers.
13. **M.R. Thansekhar**, C Anbumeenakshi, M Satheeshkumar, Effect of Nanofluid on Flow Distribution in a Microchannel Heat Sink,Advanced Science, Engineering and Medicine, 10,3, 411-415, **2018,** American Scientific Publishers.
14. C. Anbumeenakshi, **M. R. Thansekhar**, On the effectiveness of a nanofluid cooled microchannel heat sink under non-uniform heating condition, Applied Thermal Engineering, 113, 1437–1443, **2017,** Elsevier.**[Impact factor: 4.026]**

15. G.Udayakumar, S.Suresh, **M.R.Thansekhar**, P.Dineshbabu, Effect of diameter of metal nanowires on pool boiling heat transfer with FC-72, Applied Surface Science, 423, 509-520, **2017,** Elsevier. [**Impact factor: 5.155]**
16. **M. R. Thansekhar**, C. Anbumeenakshi, Experimental Investigation of Thermal Performance of Microchannel Heat Sink with Nanofluids Al_2O_3/Water and SiO_2/Water, Experimental Techniques, 41, 399-406, **2017,** Springer.**[Impact factor: 0.779]**
17. R.Ashokkumar, **M.R. Thansekhar,** Property Evaluation of Friction Stir Welded Dissimilar Metals: AA6101-T6 and AA1350 Aluminium Alloys, MATERIALS SCIENCE (MEDŽIAGOTYRA), 23,1,78-83, **2017,** Kauno Technologijos University.**[Impact factor: 0.636]**
18. C. Anbumeenakshi, **M. R. Thansekhar**, Experimental investigation of header shape and inlet configuration on flow maldistribution in microchannel, Experimental Thermal and Fluid science, 75, 156-161, **2016,** Elsevier.**[Impact factor: 3.493]**
19. R. Muneeswaran, **M.R. Thansekhar**, K. Varatharajan, Effect of diethyl ether addition to palm stearin biodiesel blends on NOx emissions from a diesel engine, Asian Journal of Research in Social Sciences and Humanities, 6,9, 1382-1394, **2016,** Asian Research Consortium.
20. V.Sivaramkumar, **M.R.Thansekhar**, R.Saravanan, S.Miruna Joe Amali, Multi-objective vehicle routing problem with time windows: Improving customer satisfaction by considering gap time, Journal of Engineering Manufacture, Part B: Proceedings of the Institution of Mechanical Engineers, 231, 7, 1248-1263,**2015,** Sage publications.**[Impact factor: 1.752]**
21. P.Sabarinath, **M.R.Thansekhar**, R.Jeganathan, Multiobjective Design Optimisation of Helical Gear Pair Using Adaptive Parameter Harmony Search Algorithm, Applied Mechanics and Materials, 813, 1032-1036, **2015,** Trans Tech.
22. P.Sabarinath, P.Karthik, **M.R.Thansekhar,** R.Saravanan, Energy Conservation by Design Optimisation of Flywheel Using Flower Pollination Algorithm, Journal of Chemical and Pharmaceutical Science, 7, 166-171, **2015,** American Chemical Society.

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24. R Muneeswaran, **M.R. Thansekhar,**Reductıon of NOx emıssıon ın bıodıesel (soyabean) fuelled DI dıesel engıne by cetane ımprover, ARPN J. of Eng. and Appl. Sci.,10, 7,2968-2973, **2015,** Asian Research Publishing Network.**[Impact factor: 0.22]**
25. N Nagasubramanian, **M.R. Thansekhar**, M Venkatesan, K Ramanathan, Numerical investigation of natural convection in a square enclosure with a baffle mounted on vertical wall, Applied Mechanics and Materials, 813, 748-753, **2015,** Trans Tech.
26. P Sabarinath, **M.R. Thansekhar**, R Saravanan, Performance Evaluation of Differential Evolution and Particle Swarm Optimization Algorithms for Optimizing Power Loss in a Worm Gear Mechanism, LNEE, 326, 433-441, **2015,** Springer.
27. R. Joseph Raviselvan, K. Ramanathan, P.Perumal, **M.R. Thansekhar,** Response Surface Methodology for Optimum Hardness of TiN on Steel Substrate, International Journal of Chemical, Molecular, Nuclear, Materials and Metallurgical Engineering, 9,12, 1448-1454, **2015,** World Academy of Science, Engineering and Technology.
28. M.Satheeshkumar, **M.R. Thansekhar**, C.AnbuMeenakshi, S.Suresh, Numerical Investigation of Mass Flow Distribution in Wavy Microchannel Heat Sink, Applied Mechanics and Materials, 813, 52-56, **2015,** Trans Tech.
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32. R.Ashok Kumar, **M.R.Thansekhar**, Review on Friction Stir Welding, International Journal of Applied Engineering Research, 10, 8, 6337-6341, **2015,** Research India.

33. P.Sabarinath, **M.R.Thansekhar,**R.Saravanan, Performance Evaluation of Differential Evolution and Particle Swarm Optimization Algorithms for the Optimal Design of Hollow Shaft, International Journal of Applied Engineering Research, 9, 26, 8741-8744, **2015,** Research India
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41. R.Ashok Kumar, **M.R.Thansekhar,** Effects of tool pin profile and tool shoulder diameter on the tensile behaviour of friction stir welded joints of aluminium alloys, Advanced Materials Research, 984, 586-591, **2014,** Trans Tech.

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