List of Publications

JOURNALS

1. P. Kalidoss, S. Venkatachalapathy and S. Suresh, "OPTICAL AND THERMAL PROPERTIES OF THERMINOL 55-TIO_2 NANOFLUIDS FOR SOLAR ENERGY STORAGE", **International Journal of Photoenergy**, **(2020)**

2. P. R. Jyothi Sankar, S. Venkatachalapathy and M. C. Santhosh Kumar, "EFFECT OF HYDROPHILIC COATING ON MESH WICKS USED IN HEAT PIPES", **Surface Engineering (2019).**

3. P. Kalidoss, S. Venkatachalapathy and S. Suresh, "PHOTOTHERMAL ENERGY CONVERSION ENHANCEMENT STUDIES USING LOW CONCENTRATION NANOFLUIDS", **ASME Journal of Solar Energy Engineering (2019), Vol. 141, 061012-1 to 061012-8.**

4. Pawan Bajpai , S. Venkatachalapathy, and D. Santhosh kumar, "EXPERIMENTAL STUDY ON ONLINE MEASUREMENT OF UNBURNED CARBON IN PULVERIZED FUEL BOILERS BY THERMAL OXIDATION OF ASH", **IEEE Access (2019), Vol. 7, 70944-70954.**

5. S. Anbu, S. Venkatachalapathy and S. Suresh, "CONVECTIVE HEAT TRANSFER STUDIES ON HELICALLY CORRUGATED TUBES WITH SPIRALED ROD INSERTS USING TIO2/DI WATER NANOFLUIDS", **Journal of Thermal Analysis and Calorimetry (2019), Vol. 137, 849-864.**

6. Yagnem Anil Reddy and S.Venkatachalapathy, " HEAT TRANSFER ENHANCEMENT STUDIES IN POOL BOILING USING HYBRID NANOFLUIDS", **Thermochimica Acta,(2019), Vol. 672, 93–100**

7. S. Anbu, S. Venkatachalapathy and S. Suresh, "HEAT TRANSFER AND PRESSURE DROP STUDIES OF TIO_2/DI WATER NANOFLUIDS IN HELICALLY CORRUGATED TUBES USING SPIRALED ROD INSERTS", **Heat and Mass Transfer**, **(2018), Vol. 54, 1301-1311**

8. Akash A Revankar and S. Venkatachalapathy, "EXPERIMENTAL STUDIES ON INTERNALLY GROOVED DOUBLE PIPE HEAT EXCHANGER USING Al_2O_3/TiO_2 NANOFLUIDS", **Journal of Nanofluids**, **(2017), Vol. 7, 1-9.**

9. R. Kamatchi, S. Venkatachalapathy, and C. Nithya, "EXPERIMENTAL INVESTIGATION AND MECHANISM OF CRITICAL HEAT FLUX ENHANCEMENT IN POOL BOILING WITH NANOFLUIDS", **Heat and Mass Transfer**, **(2015) DOI 10.1007/S 00231-015-1749-2**

10. R. Kamatchi, S. Venkatachalapathy and B. Abhinaya Srinivas, "SYNTHESIS, STABILITY, TRANSPORT PROPERTIES, AND SURFACE WETTABILITY OF REDUCED GRAPHENE OXIDE/WATER NANOFLUIDS", **International Journal of Thermal Sciences**, **97 (2015), 17-25**

11. S. Venkatachalapathy, G. Kumaresan and S. Suresh, “PERFORMANCE ANALYSIS OF CYLINDRICAL HEAT PIPE USING NANOFLUIDS - AN EXPERIMENTAL STUDY”, **International Journal of Multiphase Flow**, **72 (2015), 188-197.**

12. R. Kamatchi and S. Venkatachalapathy, “PARAMETRIC STUDY OF POOL BOILING HEAT TRANSFER WITH NANOFLUIDS FOR THE ENHANCEMENT OF

CRITICAL HEAT FLUX: A REVIEW", **International Journal of Thermal Sciences**, **87 (2015) 228-240.**

13. G. Kumaresan, S. Venkatachalapathy and L. G. Asirvatham and S. Wongwises, "COMPARATIVE STUDY ON HEAT TRANSFER CHARACTERISTICS OF SINTERED AND MESH WICK HEAT PIPES USING CUO NANOFLUIDS", **International Communications in Heat and Mass Transfer**, **57 (2014) 208 – 215.**

14. Punit Singh, S. Venkatachalapathy and G. Kumaresan, "HEAT TRANSFER STUDIES ON CONDENSATION USING HEAT PIPES", **Applied Mechanics and Materials**, **Vols. 592-594 (2014) 1617-162**

15. G. Kumaresan, S. Venkatachalapathy and L. G. Asirvatham, "EXPERIMENTAL INVESTIGATION ON ENHANCEMENT IN THERMAL CHARACTERISTICS OF SINTERED WICK HEAT PIPE USING CUO NANOFLUIDS", **International Journal of Heat and Mass Transfer**, **72 (2014) 507-516.**

16. G. Kumaresan and S. Venkatachalapathy, "A REVIEW ON HEAT TRANSFER ENHANCEMENT STUDIES OF HEAT PIPES USING NANOFLUIDS", **Frontiers in Heat Pipes (Frontiers in Heat and Mass Transfer)**, **No.3, 043001, (2012)**

17. S. Venkatachalapathy and M. Udayakumar, "EXPERIMENTAL AND NUMERICAL INVESTIGATION OF MIXED-CONVECTION HEAT TRANSFER FROM PROTRUDING HEAT SOURCES IN AN ENCLOSURE", **Experimental Heat Transfer**, **25:92-110, 2012.**