

Dr. Jaisankar Subramanian

• List of Publications

1. Analysis of thermal performance characteristics in variable header solar water heating system by a swirling effect of twisted tapes Thulasi, S., Jaisankar, S. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020

2. Effects of left and right screw tapes in natural circulation solar water heating system Arunprasad, V., Jaisankar, S. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020

3. Experimental investigation on solar flat plate collector using alumina nanofluid with tube inserts Suthahar, S.T.J., Jaisankar, S., Saravanan, S. Materials Technology, 2020

4. Heat transfer augmentation techniques in forced flow V-trough solar collector equipped with V-cut and square cut twisted tape Saravanan, A., Jaisankar, S. International Journal of Thermal Sciences, 2019, 140, pp. 59-70

5. Influence of corrugated booster reflectors in a centrally finned twist inserted solar thermal collector on heat transfer and thermal performance characteristics Murugan, M., Vijayan, R., Saravanan, A., Jaisankar, S. Journal of Heat Transfer, 2019, 141(6), 0620011

6. Influence of helix twisted tape on heat transfer and friction factor in forced circulation V-trough solar water heater Saravanan, A., Senthilkumaar, J.S., Jaisankar, S., Ananth, J. International Journal of Sustainable Energy, 2019, 38(2), pp. 163-176

7. Performance enhancement of centrally finned twist inserted solar collector using corrugated booster reflectors Murugan, M., Vijayan, R., Saravanan, A., Jaisankar, S. *Energy*, 2019, 168, pp. 858-869
8. Optimization of solar flat plate collector efficiency with Al_2O_3 nano-fluid using taguchi approach Jaya Suthahar, S.T., Jaisankar, S. *Journal of Computational and Theoretical Nanoscience*, 2017, 14(12), pp. 5927-5933
9. Performance assessment in V-trough solar water heater fitted with square and V-cut twisted tape inserts Saravanan, A., Senthilkumaar, J.S., Jaisankar, S. *Applied Thermal Engineering*, 2016, 102, pp. 476-486
10. Experimental studies on heat transfer and friction factor characteristics of twist inserted V-trough thermosyphon solar water heating system Saravanan, A., Senthilkumaar, J.S., Jaisankar, S. *Energy*, 2016, 112, pp. 642-654