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Last 5 years publication list	

### List of Publications:

1. V. Leela Vinodhan, K. S. Suganthi, B. Sivapalan, K. S. Rajan, Experimental Investigations on Heat Transfer in a New Minichannel Heat Sink, International Journal of Thermal Sciences, 2019; 140:144-153., DOI: 10.1016/j.ijthermalsci.2019.02.029
2. V. Leela Vinodhan, K. S. Suganthi, K. S. Rajan. Convective heat transfer performance of CuO–water nanofluids in U-shaped minitube: Potential for improved energy recovery. Energy Conversion and Management, 2016; 118:415-425., DOI:10.1016/j.enconman.2016.04.017
3. V. Leela Vinodhan, K. S. Rajan. Fine-tuning width and aspect ratio of an improved microchannel heat sink for energy-efficient thermal management. Energy Conversion and Management, 2015; 105:986-994., DOI:10.1016/j.enconman.2015.08.068
4. V. Leela Vinodhan, K. S. Rajan. Computational analysis of new microchannel heat sink configurations. Energy Conversion and Management, 2014; 86:595– 604., DOI:10.1016/j.enconman.2014.06.038
5. V. Leela Vinodhan. Vortex shedding during flow following a square obstacle– A computational fluid dynamics approach. International Journal of ChemTech Research, 2015; 8(3):1142-1148.
6. R. Yedhu Krishnan, S. Manikandan, K.S. Suganthi, V. Leela Vinodhan, K.S. Rajan. Novel copper – Propylene glycol nanofluid as efficient thermic fluid for potential application in discharge cycle of thermal energy storage. Energy, 2016; 107:482-492., DOI:10.1016/j.energy.2016.04.047

7. K. S. Suganthi, V. Leela Vinodhan, Rajan KS. ZnO-Propylene Glycol-Water Nanofluids with Improved Properties for Potential Applications in Renewable Energy and Thermal Management. *Colloids and Surfaces A Physicochemical and Engineering Aspects*, 2016; 506:63-73. DOI:10.1016/j.colsurfa.2016.06.007
8. M. Prabhakaran, S. Manikandan, K.S. Suganthi, V. Leela Vinodhan, K.S. Rajan. Development and Assessment of Ceria-Propylene glycol Nanofluid as an Alternative to Propylene glycol for Cooling Applications. *Applied Thermal Engineering*, 2016; 102:329-335. DOI:10.1016/j.applthermaleng.2016.03.159
9. M. Allen Zennifer, S. Manikandan, K. S. Suganthi, V. Leela Vinodhan, K. S. Rajan. Development of CuO-ethylene glycol nanofluids for efficient energy management: Assessment of potential for energy recovery. *Energy Conversion and Management*, 2015; 105:685-696. DOI:10.1016/j.enconman.2015.08.015
10. K. S. Suganthi, V. Leela Vinodhan, K. S. Rajan. Heat transfer performance and transport properties of ZnO-ethylene glycol and ZnO-ethylene glycol-water nanofluid coolants. *Applied Energy*, 2014; 135:548-559. DOI:10.1016/j.apenergy.2014.09.023