

List of Publications

RESEARCH PAPERS PUBLISHED IN JOURNALS

1. M. Shahul Hameed, S. Suresh (Accepted for publish) “ CONVECTIVE HEAT TRANSFER AND PRESSURE DROP CHARACTERISTICS OF AL₂O₃-CNT/WATER HYBRID NANOFLUID IN STRAIGHT CIRCULAR TUBE UNDER TURBULENT FLOW”. **Journal of Nanofluids**
2. D.K. Singh, S. Suresh and H. Singh (In Press) “GRAPHENE NANOPATELETS ENHANCED MYO-INOSITOL FOR SOLAR THERMAL ENERGY STORAGE”. **Thermal Science and Engineering Progress**
3. B.A.J. Rose, H. Singh, N. Verma, S. Tassou, S. Suresh, N. Anantharaman, D. Mariotti; P. Maguire (2017) “INVESTIGATIONS INTO NANOFLUIDS AS DIRECT SOLAR RADIATION COLLECTORS”. **Solar Energy, volume 147, page 426-431**
4. Durgesh Singh, H. Singh, S. Suresh, B.A.J Rose, S. Tassou, N. Anantharaman (2017) “MYOINOSITOL BASED NANO PCM FOR SOLAR THERMAL ENERGY STORAGE”. **Applied Thermal Engineering, volume 110, page 564-572**
5. R. Ajith Krishnan, K.R. Balasubramanian, S. Suresh (2017) “THE EFFECT OF HEATING AREA ORIENTATION ON FLOW BOILING PERFORMANCE IN MICROCHANNELS HEAT SINK UNDER SUBCOOLED CONDITION”. **International Journal of Heat and Mass Transfer, volume 110, page 276-293**
6. Manoop Muraleedharan, H. Singh, S. Suresh, M. Udayakumar (2016) “DIRECTLY ABSORBING THERMINOL-AL₂O₃ NANO HEAT TRANSFER FLUID FOR LINEAR SOLAR CONCENTRATING COLLECTORS”. **Solar Energy, volume 137, page 134-142**
7. A Dominic, J Sarangan, S Suresh, VS Devahdhanush (2016) “AN EXPERIMENTAL STUDY OF HEAT TRANSFER AND PRESSURE DROP CHARACTERISTICS OF DIVERGENT WAVY MINICHANNELS USING NANOFLUIDS”. **Heat and Mass Transfer Springer, volume 53, page 959-971**
8. SR Chitra, S Sendhilnathan, S Suresh (2016) “INVESTIGATION OF HEAT TRANSFER CHARACTERISTICS OF MGMNNI/DIW-BASED NANOFLUIDS FOR QUENCHING IN INDUSTRIAL APPLICATIONS”. **Journal of Enhanced Heat Transfer, volume 22, page 1-8**
9. M Arulprakasajothi, K Elangovan, KHC Reddy, S Suresh (Proceedings) “HEAT TRANSFER STUDY OF WATER-BASED NANOFLUIDS CONTAINING TITANIUM OXIDE NANOPARTICLES”. **Materials Today, volume 2(4), page 3648-3655**
10. AS Praveen, J Sarangan, S Suresh, BH Channabasappa (2016) “OPTIMIZATION AND EROSION WEAR RESPONSE OF NICRSIB/WC-CO HVOF COATING USING TAGUCHI METHOD”. **Ceramics International, volume 42(1), page 1094-1104**

11. CSS Kumar, S Suresh, AS Praveen, MCS Kumar, V Gopi (2016) "EFFECT OF SURFACTANT ADDITION ON HYDROPHILICITY OF ZNO-AL₂O₃ COMPOSITE AND ENHANCEMENT OF FLOW BOILING HEAT TRANSFER". **Experimental Thermal and Fluid Science**, volume 70, page 325-334
12. AyyappanSusila Praveen, J Sarangan, S Suresh, J Siva Subramanian (2015) "EROSION WEAR BEHAVIOUR OF PLASMA SPRAYED NICRSIB/AL₂O₃ COMPOSITE COATING". **International Journal of Refractory Metals and Hard Materials**, volume 52, page 209-218
13. A Dominic, J Sarangan, S Suresh, VS DevahDhanush (2015) "AN EXPERIMENTAL INVESTIGATION OF WAVY AND STRAIGHT MINICHANNEL HEAT SINKS USING WATER AND NANOFLUIDS". **Journal of Thermal Science and Engineering Applications**, volume 7(3), page 031012
14. M Satheeshkumar, MR Thansekhar, C Anbumeenakshi, S Suresh (2015) "EFFECT OF GEOMETRICALPARAMETERS ON FLOW MAL-DISTRIBUTION IN A WAVY MICROCHANNEL". **Applied Mechanics and Materials**, volume 813, page 674-678
15. S Venkatachalapathy, G Kumaresan, S Suresh (2015) "PERFORMANCE ANALYSIS OF CYLINDRICAL HEATPIPE USING NANOFLUIDS-AN EXPERIMENTAL STUDY". **International Journal of Multiphase Flow**, volume 72, page 188-197
16. Sujith Kumar, S Suresh, CR Aneesh, Santhosh Kumar, AS Praveen, K Raji (2015) "FLOW BOILING HEAT TRANSFER ENHANCEMENT ON COPPER SURFACE USING FE DOPED AL₂O₃-TIO₂ COMPOSITE COATINGS". **Applied Surface Science**, volume 334, page 102-109
17. M Arulprakasajothi, S Suresh, K Elangovan, K Hemachandra (2015) "EXPERIMENTAL STUDY OF PREPARATION, CHARACTERIZATION AND THERMAL BEHAVIOR OF WATER-BASED NANOFLUIDS". **Applied Mechanics & Materials**, volume 766-767, page 348-354