List of Publications in the last Five Years by Dr. A. Satheesh		
S. No	**List of Publications**	**Year**
1.	S. Arun, A. Satheesh and Ali J Chamka. Numerical Analysis of Double Diffusive Natural Convection in Shallow and Deep Open Ended Cavities using lattice Boltzmann Method. Arabian Journal for Science and Engineering 2019.	2019
2.	S. Arun and A. Satheesh. Mesoscopic Analysis of MHD Double Diffusive Natural Convection and Entropy Generation in an Enclosure filled with Liquid Metal. Journal of Taiwan Institute of Chemical Engineers 2019, 95.155-173.	2019
3.	Man Mohan, M. Sharma, V. K. Sharma E. Anil Kumar, A. Satheesh, P. Muthukumar, Performance Analysis of Metal Hydride Based Simultaneous Cooling and Heat Transformation System. International Journal of Hydrogen Energy. 2019, 44(21):10906-10915.	2019
4.	P. Purushothaman and A. Satheesh. Natural Convection Heat Transfer and Fluid Flow Analysis in a 2D Square Enclosure with Sinusoidal Wave and Different Convection Mechanism. International Journal of Numerical Methods for Heat and Fluid Flow 2018, 28(9); 2158-2188.	2018
5.	S. Arun and A. Satheesh. Mesoscopic Analysis of Heatline and Massline during Double-Diffusive MHD Natural Convection in an Inclined Cavity. Chinese Journal of Physics 2018; 56(5):2155-2172.	2018
6.	S. Arun and A. Satheesh. Numerical analysis of buoyancy-driven flow in a square cavity using lattice Boltzmann technique. International Journal of Pure and Applied Mathematics 2018; 118(18):4185-4197.	2018
7.	Prasad N. Kulkarni, C.G. Mohan and A. Satheesh, Investigation of double-diffusive mixed convective flow with influence of Soret effect in lid-driven cavity. International Journal of Pure and Applied Mathematics 2018; 118(18):4527-4538.	2018
8.	S. Arun, A. Satheesh, C.G. Mohan, P. Padmanathan, and D. Santhoshkumar. A review on natural convection heat transfer problems by Lattice Boltzmann Method. Journal of Chemical and Pharmaceutical Sciences 2017; 10(1):635-645.	2017

9.	C.G. Mohan and A. Satheesh. Computational investigation of double diffusive mixed convective flow in an enclosed square cavity with Soret effect. Frontiers in Heat and Mass Transfer 2017; 8(36):1-13.	2017
10.	C.G. Mohan and A. Satheesh. The numerical simulation of double-diffusive mixed convection flow in a lid-driven porous cavity with magnetohydrodynamic effect. Arabian Journal of Science and Engineering 2016; 41(5):1867-1882.	2016
11.	V. Jagan and A. Satheesh. Experimental studies on two phase flow patterns of air-water mixture in a pipe with different orientations. Flow Measurement and Instrumentation 2016; 52:170-179.	2016
12.	A. Satheesh and S.A. Raj. Elucidating the effect of Cu-nanoparticles in a porous medium vis-à-vis heat transfer phenomena. Heat Transfer Asian Research 2016; 45(5):405-423.	2016
13.	Lokesh Agarwal, A. Satheesh and C.G. Mohan. Numerical investigation of double-diffusive mixed convection laminar flow in two sided lid driven porous cavity. Heat Transfer Asian Research 2015; 44(4):305-323.	2015
14.	S. Arun and A. Satheesh. Analysis of flow behaviour in a two sided lid driven cavity using lattice Boltzmann technique. Alexandria Engineering Journal 2015; 54(4):795-806.	2015
15.	D.V.N. Lakshmi, S.S. Mohapatra, A. Satheesh, H. Das. Design and development of V-grooved natural convection solar air heater for Odisha. Applied Mechanics and Materials. 2015; 813-814:668-673.	2015