

Dr. D. Mohanlal Publication List (Last 5 years)								
S. No.	Authors	Title	Year	Source title	Vol.	Issue	DOI	Publisher
1	Prabakaran R., Prasanna Naveen Kumar J., Mohan Lal D., Selvam C., Harish S.	Constrained melting of graphene-based phase change nanocomposites inside a sphere	2020	Journal of Thermal Analysis and Calorimetry	139	2	10.1007/s10973-019-08458-4	Springer Netherlands
2	Ramesh S., Bhuvaneshwari B., Palani G.S., Mohan Lal D., Mondal K., Gupta R.K.	Enhancing the corrosion resistance performance of structural steel via a novel deep cryogenic treatment process	2019	Vacuum	159		10.1016/j.vacuum.2018.10.080	Elsevier Ltd
3	Selvam C., Mohan Lal D., Harish S.	Convective heat transfer behaviour of water-ethylene glycol-mixture with silver nanoparticles under laminar flow conditions	2018	Journal of Mechanical Science and Technology	32	5	10.1007/s12206-018-0429-9	Korean Society of Mechanical Engineers
4	Prabakaran R., Mohan Lal D.	A novel exergy based charge optimisation for a mobile air conditioning system: An experimental study	2018	Journal of Thermal Analysis and Calorimetry	132	2	10.1007/s10973-018-6998-0	Springer Netherlands
5	Arockia Jaswin M., Mohan Lal D.M.	Comprehensive analysis on the effect of deep cryogenic treatment on the mechanical behaviour of martensitic valve steel	2018	Iranian Journal of Materials Science and Engineering	15	1	10.22068/ijmse.15.1.9	Iran University of Science and Technology
6	Selvam C., Mohan Lal D., Harish S.	Heat transport and pressure drop characteristics of ethylene Glycol-based Nano fluid containing silver nanoparticles	2018	IOP Conference Series: Materials Science and Engineering	402	1	10.1088/1757-899X/402/1/012005	Institute of Physics Publishing
7	Selvam C., Solaimalai Raja R., Mohan Lal D., Harish S.	Overall heat transfer coefficient improvement of an automobile radiator with graphene based suspensions	2017	International Journal of Heat and Mass Transfer	115		10.1016/j.ijheatmasstransfer.2017.08.071	Elsevier Ltd
8	Selvam C., Mohan Lal D., Harish S.	Thermal conductivity and specific heat capacity of water-ethylene glycol mixture-based nanofluids with graphene nanoplatelets	2017	Journal of Thermal Analysis and Calorimetry	129	2	10.1007/s10973-017-6276-6	Springer Netherlands
9	Selvam C., Balaji T., Mohan Lal D., Harish S.	Erratum to "Convective heat transfer coefficient and pressure drop of water-ethylene glycol mixture with graphene nanoplatelets" (Experimental Thermal and Fluid Science (2017) 80 (67–76) (S0894177716302187) (10.1016/j.expthermflusci.2016.08.013))	2017	Experimental Thermal and Fluid Science	81		10.1016/j.expthermflusci.2016.09.003	Elsevier Inc.
10	Selvam C., Mohan Lal D., Harish S.	Enhanced heat transfer performance of an automobile radiator with graphene based suspensions	2017	Applied Thermal Engineering	123		10.1016/j.applthermaleng.2017.05.076	Elsevier Ltd
11	Selvam C., Balaji T., Mohan Lal D., Harish S.	Convective heat transfer coefficient and pressure drop of water-ethylene glycol mixture with graphene nanoplatelets	2017	Experimental Thermal and Fluid Science	80		10.1016/j.expthermflusci.2016.08.013	Elsevier Inc.
12	Sidney S., Mohan Lal D.	Exergy analysis of a solar PV driven DC refrigerator for different ambient conditions	2016	2016 International Conference on Energy Efficient Technologies for Sustainability, ICEETS 2016			10.1109/ICEETS.2016.7582941	Institute of Electrical and Electronics Engineers Inc.
13	Selvam C., Mohan Lal D., Harish S.	Thermophysical properties of ethylene glycol-water mixture containing silver nanoparticles	2016	Journal of Mechanical Science and Technology	30	3	10.1007/s12206-016-0231-5	Korean Society of Mechanical Engineers
14	Khun N.W., Liu E., Tan A.W.Y., Senthilkumar D., Albert B., Mohan Lal D.	Effects of deep cryogenic treatment on mechanical and tribological properties of AISI D3 tool steel	2015	Friction	3	3	10.1007/s40544-015-0089-z	Tsinghua University Press