



EXCEL ENGINEERING COLLEGE (Autonomous)
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KOMARAPALAYAM-637303
Department of Mechanical Engineering
Faculty publication details 2022-23

S.N	Name of authors	Title of paper	Name of journal	month /year
1	Dr.N Tamilselven	Heat transfer enhancement in spiral type heat exchanger using non-Newtonian Nano fluids	Gis science journal	June 2022
2	Dr. R Vinoth	Study on the use of selective catalytic reduction technique for NOx emission reduction in an diesel engine fuelled with Methyl ester of water Hyacinth	Materials today proceedings	June 2022
3	Dr. A.Karthikeyan Dr. N Tamilselven Dr. S Balakrishnan	Unsteady thermal modelling of altitude adaptive dual bell nozzle with regenerative cooling of thrust chamber in semi-Cryogenic engine	International journals of scientific research in mechanical and materials engineering	June 2022
4	Dr. S Balakrishnan	Development of a new improved closed form plastic collapse moment solution for structurally distorted and through wall axially cracked 90 pipe bends to in plane closing bending moment	International journal of pressure vessel and piping	June 2022
5	Dr.E.R.Sivakumar	Influence of mechanical properties of coating and substrate on wear performance of HDLC and TiN-coated AISI 5140 alloy steel	Journal of Process Mechanical Engineering SAGE Publications	February 2023
6	Dr.E.R.Sivakumar	Comprehensive study of diesel engine characteristics of valves coated by titanium nitride (TiN)	Journal of Process Mechanical Engineering SAGE Publications	March 2023
7	M. Venkatesan	Experimental study of thermal performance on waste in filled building wall construction	International journal of thermos physics	Aug 2022
8	Dr. R Vinoth	Behaviour assessment of diesel engine operated using Butanol-Methyl Ester of Water Hyacinth blends	Materials today proceedings	October2022
9	Dr. R Vinoth	Experimental study of heat transfer and pressure drop characteristics of microtube condenser using R134a	International Journal of Ambient Energy	October2022
10	Dr.R.Vinoth N Tamilselvan	Study on the Heat transfer behaviour of a hybrid nano fluid in a wavy Mini channel heat sink	Computer Integrated Manufacturing Systems	Dec 2022
11	Dr.R.Vinoth	Heat transfer enhancement in oblique finned curved microchannel using hybrid nanofluid	International Journal of Thermal Sciences	Jan 2023

12	Dr.R.Vinoth	Behaviour of a DI Diesel Engine Fuelled with Blends of Waste Plastic Oil and Non Metallic Nano Additives	Research Aspects in Chemical and Materials Sciences	2023
13	R. Premraj	Numerical Analysis and Topology Optimization of Steering Knuckle using Aluminium-Carbon Fiber Hybrid Material	GIS SCIENCE JOURNAL	2023
14	M. Venkatesan	Numerical Investigation Of Convective Heat Transfer On Helical Tube With Twisted Tape Insert	Journal For Basic Sciences	2023
15	M. Venkatesan	Estimation of Natural Convection Heat Transfer Characteristics on Vertical Plate with Uniform Heat Flux	International Journal for Modern Trends in Science and Technology,	2023