

Excel Engineering College
Department of mechanical Engineering
Faculty publication details 2021-22

S. No	Name of the Faculty	Title of the Paper	Journal Name(SCI, Scopus, Annexure, UGC)	DOI Numbers
1	Dr.S. Balakrishnan	Development of a new improved structural integrity assessment correlation for throughwall axially cracked 90° shape imperfect pipe bends under in-plane opening bending moment	Elsevier-International Journal of Pressure Vessels and Piping	http://DOI:ig:1010/ijpvp/q
2	Dr. R. Vinoth	Flow and heat transfer behavior of hybrid nanofluid through microchannel with two different channels	Elsevier- International Communications in Heat and Mass Transfer	https://doi.org/10.1016/j.icheatmasstransfer.2021.105194
3	Dr. R. Vinoth	Role of non metallic Nano additive in the behavior of a diesel engine fueled with blends of Waste plastic oil	IOP Conference Series: Materials Science and Engineering	doi:10.1088/1757-899X/1130/1/012041
4	Dr. R. Vinoth	Study on the heat transfer characteristics of Al ₂ O ₃ -CuO/Water hybrid nanofluids in a shell and rotating wavy tube heat exchanger	IOP Conference Series: Materials Science and Engineering	doi:10.1088/1757-899X/1130/1/012057

5	V. Karthikeyan, M. Sambathkumar, K. Arulkumar	Design and Performance Analysis of Air Pre heater for Water Tube Boiler to improve its Efficiency	International Journal of Scientific Research in Science, Engineering and Technology	doi : https://doi.org/10.32628/IJSRSET218545
6	V. Karthikeyan, M. Sambathkumar, K. Boopathy	Device and Exploration of Micro Hydro Energy Storage Systems	International Journal of Creative Research Thoughts (IJCRT)	Doi: © 2021 IJCRT Volume 9, Issue 4 April 2021 ISSN: 2320-2882
7	A. Karthikeyan	Implementation of bi-directional searching Chemical Reaction Optimizations(CRO) algorithm towards achieving cutting tool indexing time minimization in Automatic Tool Changer (ATR)	Journal of Engg. Research	DOI:10,36909/jer.10845

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