

Dr.M.Srinivas

Assistant Professor, Mechanical Department,

National Institute of Technology, Calicut.

TITLE	YEAR
Parametric studies of a simple direct expansion solar assisted heat pump operating in a hot and humid environment L Paradeshi, M Srinivas, S Jayaraj Energy Procedia 90, 635-644.	2016
Parametric studies of a simple direct expansion solar assisted heat pump using ANN and GA KV Kumar, L Paradeshi, M Srinivas, S Jayaraj Energy Procedia 90, 625-634.	2016
Sustainable Bioelectricity Generation from Living Plants M Borker, TV Suchithra, M Srinivas, S Jayaraj Microbial Biotechnology, 399-412.	2017
Exergy analysis of direct-expansion solar-assisted heat pumps working with R22 and R433A L Paradeshi, M Mohanraj, M Srinivas, S Jayaraj Journal of Thermal Analysis and Calorimetry 134 (3), 2223-2237.	2018
Performance studies of R433A in a direct expansion solar-assisted heat pump L Paradeshi, M Srinivas, S Jayaraj International Journal of Ambient Energy, 1-12.	2018
Correction to: Exergy analysis of direct-expansion solar-assisted heat pumps working with R22 and R433A L Paradeshi, M Mohanraj, M Srinivas, S Jayaraj Journal of Thermal Analysis and Calorimetry 134 (3), 2239-2239.	2018
Optimum Composition of Alternative Refrigerant Mixture for Direct Expansion Solar-Assisted Heat Pump Using ANN and GA KV Kumar, L Paradeshi, M Srinivas, S Jayaraj Concentrated Solar Thermal Energy Technologies, 199-209.	2018
Thermodynamic analysis of a direct expansion solar-assisted heat pump system working with R290 as a drop-in substitute for R22 L Paradeshi, M Srinivas, S Jayaraj Journal of Thermal Analysis and Calorimetry 136 (1), 63-78.	2019

Performance of hydrocarbon mixture in a direct expansion solar assisted heat pump system L Paradeshi, M Srinivas, S Jayaraj Heat and Mass Transfer 55 (4), 965-977.	2019
A cost-effective method to improve the performance of solar air heaters using discrete macro-encapsulated PCM capsules for drying applications AK Raj, M Srinivas, S Jayaraj Applied Thermal Engineering 146, 910-920.	2019
Performance analysis of a double-pass solar air heater system with asymmetric channel flow passages AK Raj, G Kunal, M Srinivas, S Jayaraj Journal of Thermal Analysis and Calorimetry 136 (1), 21-38.	2019
Active drying of unripened bananas (Musa Nendra) in a multi-tray mixed-mode solar cabinet dryer with backup energy storage KR Arun, M Srinivas, CA Saleel, S Jayaraj Solar Energy 188, 1002-1012.	2019
CFD modeling of macro-encapsulated latent heat storage system used for solar heating applications AK Raj, M Srinivas, S Jayaraj International Journal of Thermal Sciences 139, 88-104.	2019
Influence of the location of discrete macro-encapsulated thermal energy storage on the performance of a double pass solar plate collector system KR Arun, M Srinivas, CA Saleel, S Jayaraj Renewable Energy 146, 675-686.	2020