DC MEMBER DETAILS

Dr.M. Srinivas , Assistant Professor

NIT CALICUT

-mail :msrinivas@nitc.ac.in
Room :Mechanical engineering PG block. Room no. 205
Office Phone:0495 2286452
Home Phone:7736532985

Educational Qualifications

PhD., Hybrid Energy Systems, NIT-Calicut, 2015

M.Tech., Thermal Engineering, JNTU-Hyderabad, 2002

BE., Mechanical Engineering, OU-Hyderabad, 1999

Publications

A cost-effective method to improve the performance of solar air heaters using discrete macro-encapsulated PCM capsules for drying applications 3
AK Raj, M Srinivas, S Jayaraj
Applied Thermal Engineering 146, 910-920

Parametric studies of a simple direct expansion solar assisted heat pump operating in a hot and humid environment 2
L Paradeshi, M Srinivas, S Jayaraj
Energy Procedia 90, 635-644

Performance analysis of a double-pass solar air heater system with asymmetric channel flow passages 1
AK Raj, G Kunal, M Srinivas, S Jayaraj
Journal of Thermal Analysis and Calorimetry 136 (1), 21-38

CFD modeling of macro-encapsulated latent heat storage system used for solar heating applications 1
AK Raj, M Srinivas, S Jayaraj
International Journal of Thermal Sciences 139, 88-104

Parametric studies of a simple direct expansion solar assisted heat pump using ANN and GA 1
KV Kumar, L Paradeshi, M Srinivas, S Jayaraj
Energy Procedia 90, 625-634

Active drying of unripened bananas (Musa Nendra) in a multi-tray mixed-mode solar cabinet dryer with backup energy storage 1
KR Arun, M Srinivas, CA Saleel, S Jayaraj
Solar Energy 188, 1002-1012

Exergy analysis of direct-expansion solar-assisted heat pumps working with R22 and R433A 1
L Paradeshi, M Mohanraj, M Srinivas, S Jayaraj
Journal of Thermal Analysis and Calorimetry 134 (3), 2223-2237

Performance study of a double pass, hybrid-type solar air heater with slats 1

M Srinivas, S Jayaraj
International Journal of Energy Engineering 3 (4), 112

Investigations on the performance of a double pass, hybrid-type (PV/T) solar air heater
M Srinivas, S Jayaraj
Journal homepage: www. IJEE. IEEFoundation. org 4 (4), 687-698

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

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

Energy and exergy analysis of a two pass photovoltaic-thermal (PV/T) air heater
M Srinivas, S Jayaraj
Int J Energy Environ 4, 467-480

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

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

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

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

Sustainable Bioelectricity Generation from Living Plants
M Borker, TV Suchithra, M Srinivas, S Jayaraj
Microbial Biotechnology, 399-412

PARAMETRIC STUDIES ON ETC TYPE SOLAR WATER HEATER-THREE DIMENSIONAL NUMERICAL MODELING AND ANALYSIS
AK Raj, M Srinivas, S Jayaraj
ISHMT Digital Library

Viability Evaluation of Domestic Solar Hot Water Systems using two Multi Criteria Evaluation Techniques: Case Study of an Urban Area in India
M Srinivas
Journal of Technology Innovations in Renewable Energy 2 (1), 76-87

Theoretical Analysis of Double Flow Hybrid Type Solar Air Heaters with Slats and Fins
N Chandrasekhar, M Srinivas, S Jayaraj