



Dr.K.Karunamurthy

Associate Professor, Mechanical Engineering
Vellore Institute of Technology, Chennai

1. K Karunamurthy, Debdutta Chatterjee, Shivam Pattanashetti, Aditya Chhetri, Aswin Sevugan, G Suganya., Prediction of Thermal Performance of Cooling Tower of a Chiller Plant Using Machine Learning, IOP Conference Series: Earth and Environmental Science, 2020.
2. C Prem Balaji, K Karunamurthy., Carbon Capture and Storage Using Renewable Energy Sources: A Review, IOP Conference Series: Earth and Environmental Science, 2020.
3. BJ Shinde, K Karunamurthy, S Ismail., Thermodynamic analysis of gasoline-fueled electronic fuel injection digital three-spark ignition (EFI-DTSI) engine, Journal of Thermal Analysis and Calorimetry 141 (6), 2355-2367, 2020.
4. Neeta Amol Mandhare, K Karunamurthy, Saleel Ismail., Computational Investigation of Flow Over Nose Cap of Closed Impeller of Mixed Flow Centrifugal Pump, Journal of Pressure Vessel Technology, 142 (3), 2020.
5. SI Neeta A Mandhare, K Karunamurthy., Investigation on Centrifugal Pump Performance for various Nose cap Geometries, International Conference on Innovations in Thermo-Fluid Engineering and Sciences [ICITFES - 2020] NIT Rourkela, India, 2020.
6. K Karunamurthy, Pranay Singh, Satyam Kumar, S Kumar., Feasibility study of carbon capture and storage on NLC India Ltd International Journal of Ambient Energy 40 (7), 687-692, 2019.
7. K Karunamurthy, R Manimaran, M Chandrasekar., Prediction of solar pond performance parameters using artificial neural network International Journal of Computer Aided Engineering and Technology, 11(2), 141-150, 2019.
8. K Karunamurthy*, K Madhusudana Sankar, S Vignesh., Heat Pipes for Enhancing the Performance of Thermal Systems: A Review, International Journal of Mechanical Engineering and Technology 9 (5), 392-399, 2018.
9. Manimaran Renganathan Karunamurthy Krishnasamy., Effect of Lower Convective Zone Thickness and Swirl Flow on the Performance of a Salinity Gradient Solar Pond, Chemical Engineering Transactions 62 (1), 283-288, 2017.
10. Rishabh Raj Addepalli Kasyap, I Bhanu Harsha, K Karunamurthy., Waste Heat Recovery System of an IC Engine Using Twisted Tapes, National Conference on Waste to Energy, Carbon Capture and Storage, 135, 2017.
11. Vivek Singh, Karunamurthy K, Nayan Singh, Experimental Study On In-Pond Heat Exchanger Provided With Twisted Tapes, Asian Journal Of Pharmaceutical And Clinical Research, 10 (April), 467-470, 2017.
12. A Surya Kasyap, K Karunamurthy, I Bhanu Harsha., Heat Transfer Enhancement in Waste Heat Recovery System, National Conference on Smart Energy Systems for Sustainable Development, 2017.
13. K Karunamurthy, Pranay Singh, Satyam Kumar., Assessment of Retrofitting CCS Over Coal Power Plants In India, National Conference on Smart Energy Systems for Sustainable Development, 2017.

14. R Manimaran K Karunamurthy., Optimization of an Air-Conditioned Flow in a Residential Apartment for Thermal Comfort, International Journal of Pure and Applied Mathematics 109 (8), 209-216, 2016.