

## **M. Mohanraj**

Dr. M. Mohanraj has completed B.E (Mechanical Engineering) from University of Madras, Chennai-India during the year 1999, M.E. (Refrigeration and Air Conditioning) from Bharathiar University Coimbatore- India during the year 2001 and Ph.D. from National Institute of Technology Calicut-India during the year 2009. Presently, he is working as a Professor in Mechanical Engineering at Hindusthan College of Engineering and Technology, Coimbatore India.

He has published 50 research papers in reputed International Journals in the field of Solar heat pumps, Solar photovoltaic water pumps, Solar air heaters, Solar dryers, Heat pump assisted desalination, Automobile air conditioners, Alternative working fluids for compression based Refrigeration, Air conditioning and Heat pump systems, Energy Conservation in manufacturing industries, Engineering Materials etc. He has supervised more than 30 under graduate projects in the field of Renewable Energy and supervised five research scholars in the field of Renewable Energy and also in Refrigeration and Air conditioning.

He is a reviewer for more than fourth International Journals published by Elsevier, Springer, Taylor and Francis etc. He has visited Al Farabi Kazakh National University, Almaty, Republic of Kazakhstan as a visiting faculty. He is associated with Al-Farabi Kazakh National University, Almaty for a collaborative research project on Solar assisted two stage cascade heat pump for space heating applications. Moreover, he is a collaborated with Al Farabi Kazakh National University in various Research and Development activities in the field of Solar Assisted heat pumps. Presently, he is a Co-Principal Investigator for the project titled "Development, testing and standardization of solar photovoltaic heat pump water heater", which is a collaborative research work with National Institute of Technology, Calicut.

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