

## CENTRE FOR RESEARCH



ANNA UNIVERSITY, CHENNAI – 600 025

### LIST OF PUBLICATION OF DC MEMBER



Name of the Scholar : Vinitha.T

Programme : Ph.D. (PT)

Research Topic : Studies on Tribological Behavior of Bio-Based Polymer Composites

Name of the Supervisor: Dr. M. RAMESH / 2620070

### **Member from other University / Institutions**

**Name of the member: Dr. P.T. Saravana Kumar**

S.No	Title	Year of Publication
1	P Manoj Kumar, K Mysamy, PT Saravana kumar, Experimental investigations on thermal properties of nano-SiO <sub>2</sub> /paraffin phase change material (PCM) for solar thermal energy storage applications Energy Sources, Part A: Recovery, Utilization, and Environmental Effects Volume 42, Issue 19, Pages 2420-2433,2020	2020
2	P. T. Saravanakumar D.Somasundaram M.M. Matheswaran, Exergetic investigation and optimization of arc shaped rib roughened solar air heater integrated with fins and baffles. Applied Thermal Engineering, Volume 153, Issue 115316 Publisher Elsevier Ltd. 2020	2020
3	P.T Saravanakumar, D Somasundaram, MM Matheswaran, Thermal and thermo-hydraulic analysis of arc shaped rib roughened solar air heater integrated with fins and baffles, Journal -Solar Energy, Volume 180, Pages 360-371	2019
4	V. Vijayan & A. Godwin Antony P. T. Saravankumar, V. Suresh, Ecological effect of corn oil biofuel with SiO <sub>2</sub> nano-additives Authors, Journal Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Volume 41, Issue 15	2019
5	K B Prakash P Manoj Kumar, PT Saravanakumar, K Mysamy, P Kishore, Study on thermal conductivity of the candle making wax (CMW) using nano - TiO <sub>2</sub> particles for thermal energy storage applications Conference AIP Conference Proceedings, Volume 2128, Issue 1, Pages 020027	2019
6	P.Manoj Kumar K.Mysamy P.T.Saravanakumar R. Anandkumar, Experimental Study on Thermal Properties of Nano-TiO <sub>2</sub> Embedded Paraffin (NEP) for Thermal Energy Storage Applications Conference 2nd International Conference on Materials Manufacturing and Modelling, ICM MM – 2019, VIT University, Vellore, 29th - 31st March 2019, Volume 22, Issue Part 4, Pages 2153-2159	2019
7	P.T Saravanakumar, Thangavelu, Suresh, Vellingiri, Srinivasan	2019

	Rajendrian, K-Nearest Neighbour Technique for the Effective Prediction of Refrigeration Parameter Compatible for Automobile Journal Thermal Science, Volume 1, Issue 1, Pages 436-440.	
8	P.T. Saravanakumar P. Manoj Kumar, K. Mylsamy, Experimental investigation on thermal properties of Nano-SiO <sub>2</sub> /paraffin phase change material (PCM) for solar thermal energy storage application Journal Energy Source Part A: Recovery, Utilization and Environment Effects	2019
9	P.T Saravanakumar Manojkumar Mayilsamy, Study of thermal properties of the commercial grade parafin using Nano Sio <sub>2</sub> particles for thermal energy storage applications International Conference on Energy and Environment (ICEE 2019), Volume 1, Issue 1, Pages 20-28	2019
10	Dr. P.T.Saravanakuamr P.Manoj Kumar ,Aerodynamic Analysis on a Passenger Car” A Computational Approach. Volume 1, Pages 150, Publisher LAMBERT Academic Publishing, ISBN: 978-3-330-00927-1.	2019
11	Dr.K.Mayilsamy Dr.P.T.Saravanakumar,Mr.P.Manoj Kumar ,Solar Air Heater with Thermal Storage,2018,Volume 1,Publisher LAP LAMBERT Academic Publishing,UK, ISBN-13: 978-613-9-92597-1	2018
12	Dr. K.Mayilsamy Dr. P.T. Saravanakumar, Mr. P. Manoj Kumar, Solar Air Heater with Thermal Storage2018,Volume 1, Publisher LAP LAMBERT Academic Publishing,UK, ISBN-13: 978-613-9-92597-1	2017
13	Dr.D.Balaji.Dr.P.T. Saravanakumar,3D Printer for the mould making using foundry sand ,Patent office ID Application number 201741047170	2017
14	N.Yuvanshankar Dr.P.T.Saravanakumar,S.Dinesh,M.Usha, V.S.Vemeera, CFD Simulation on Vertical Axis Wind Turbine- A Review International Journal of Innovative Science and Research Technology Volume 2, Issue9, ISSN No.2456-2165, Pages126-137, Publisher IJISRT	2017
15	Dr. Ponnusamy Dr.P.T.Saravanakumar, Engineering Graphics,Volume 1,Publisher Vishnu Prints Media, Chennai ISBN:978-93-85374-44-9	2016
16	P.T. Saravanakumar, Performance Investigation of Forced Convection Solar Air Heater with Thermal Storage Materials Institute of Road and Transport Technology, Erode	2015
17	Mr.Clement Christy Deepak Dr. P.T. Saravanakumar, Manufacturing Technology- I Volume 1 Publisher SAI Publishers, Chennai, ISBN: 978-93-82010-44-9.	2016
18	C.Gokul, P.T.Saravanakumar, K.Mayilsamy, CFD Analysis of Optimization of Channel Depth of Flat Plate Force Convection Solar Air Heater (FCSAH)INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING (ICAME-2015),Volume1Issue 1 Pages 1011-1015 Publisher ISBN 978-93-85477-29-4, Proceedings of ICAME-2015, UCEV, Villupuram, Tamil Nadu	2015
19	Kanagaraj A Saravanakumar P T,Mayilsamy K, Optimization of channel depth of solar air heater using CFD analysis,3rd Edition of International Conference on Innovative Research in Engineering & Technology – ICIRET 2015 Volume 1,Issue 1,Pages,PHDMECH 008	2015
20	V. Boopathi Sabareesh P. T. Saravanakumar, K. Mayilsamy, ANN Modeling of Forced Convection Solar Air Heater, Journal International Review on Modelling and Simulations (IREMOS), Volume 6, Issue 6, Pages 250-256	2013