


Faculty Profile

	Dr. G. Ravikumar Solomon	Academic Credentials <ul style="list-style-type: none"> • Under-Graduation: B.E (Mechanical Engineering) • Post-Graduation: M.E (Production Engineering) • Doctoral Degree: Ph.D. (Mechanical Engineering)
Designation	Professor	Experience <ul style="list-style-type: none"> • Teaching – 33 years • Industry – 1 year
E-Mail ID:	rksolomon@hindustanuniv.ac.in	
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57221224664	Research Areas <ul style="list-style-type: none"> • <i>Heat Transfer</i> • <i>Phase change materials</i> • <i>Energy Studies</i>
Google Scholar	https://scholar.google.com/citations?user=AmjxZisAAAAJ&hl=en&oi=ao	
Recent Publications		
<ol style="list-style-type: none"> 1. Gnanadurai Ravikumar Solomon, Karthikeyan, S. and Ramalingam Velraj, 2013, “Sub cooling of PCM due to various effects during solidification in a vertical concentric tube thermal storage unit” Applied Thermal Engineering Vol. 52 (2), pp. 505-511. 2. Karthikeyan, S., Gnanadurai Ravikumar Solomon, Kumaresan, V. and Ramalingam Velraj, 2014, “Parametric studies on packed bed storage unit filled with PCM encapsulated spherical containers for low temperature solar air heating application” Energy Conversion and Management, Vol. 78, pp. 74-80. 3. Shafee, S.M., Gnanasekaran, K., and Gnanadurai Ravikumar Solomon. 2021, "Analysis of Heat Transfer Mechanisms in the Solidification of PCM with Different Passive Enhancement Techniques for Free Cooling Applications." Information Technology in Industry, Vol. 9 (1), pp. 1471-1482. 4. GR Solomon, R Rahul, R Balaji, A Selokar, 2022, “Fluid Flow Analysis of a Rotating Vaneless Diffuser Using CFD” Advances in Mechanical and Materials Technology, 1121-1137. 5. K Ilayaperumal, GR Solomon, V Hariram, 2022, “Optimized Biodiesel Production from Madhuca Longifolia using Two Stage Transesterification Process” International Journal of Vehicle Structures & Systems (IJVSS) 14 (2) 		
Industry Consultancy Projects		
Project Name:	Design of Oil cooler for Locomotive	
Industry:	Universal Radiators, Coimbatore.	
Amount:	₹1.1 lacs	
Patents		
1.	Enhancement of Heat Transfer during the Solidification of PCM	
Awards and Honours		
1.	Indian Express, EDEX best teacher award “40 Under 40” Awarded in 2017	