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## Education

- PhD in Mechanical Engineering, Karunya University, 2014  
Thesis: Studies on Heat Pipes using Nanofluids and Coated Surfaces
- M. E in Thermal Engineering, Karunya University, 2006  
Thesis: Numerical modeling of mixing enhancement in the scramjet combustor, CGPA-7.74/10
- B.E in Mechanical Engineering, Bharathiar University, 2004  
Thesis: Design, fabrication and simulation of a thrust chamber for a liquid propulsion system, CGPA-7. 46/10

## Teaching and Research experience

Duration	Position /Affiliation
21 <sup>st</sup> July, 2018 to till date	<b>Associate Professor,</b> Department of Mechanical Engineering, Karunya Institute of Technology and Sciences, Coimbatore
4 <sup>th</sup> April 2017 to 20 <sup>th</sup> July 28, 2018	<b>Assistant Professor,</b> Department of Mechanical Engineering, Karunya Institute of Technology and Sciences, Coimbatore
4 <sup>th</sup> Oct 2015 to 31 <sup>st</sup> Mar 2017	<b>Postdoctoral Fellow,</b> University of Pretoria, Pretoria, South Africa.
25 <sup>th</sup> Sep2015 to 31 <sup>st</sup> Sep 2015	<b>Assistant Professor,</b> Department of Mechanical Engineering, Karunya Institute of Technology and Sciences, Coimbatore
3 <sup>rd</sup> Nov 2008 to 25 <sup>th</sup> Sep 2015	<b>Scientific Officer</b> Dean Research Office, Karunya Institute of Technology and Sciences, Coimbatore
July 13, 2006 to 3 <sup>rd</sup> Nov 2008	<b>Research Associate,</b> Dean Research Office, Karunya Institute of Technology and Sciences, Coimbatore
<b>Total Experience: 13 years and nine months</b>	

## Courses Taught

- Heat and Mass Transfer
- Refrigeration and Airconditioning
- Thermal Engineering
- Basic mechanical engineering

## Research Interest

Heat Transfer	Natural Convection and Phase change heat transfer in <ul style="list-style-type: none"><li>○ Nanofluids</li><li>○ Heat pipes</li><li>○ Thermosyphons</li><li>○ Energy storage materials</li><li>○ Cooling of electronic components</li></ul>
Computational Fluid Dynamics	Numerical Modelling of <ul style="list-style-type: none"><li>○ Heat pipes</li><li>○ Vapour chambers</li></ul>

## Affiliations/Awards

- American Society of Mechanical Engineers, Student Member (2014-2015)
- Won UP Post-Doctoral Fellowship, University of Pretoria, South Africa.
- Won the “Young Achievers Award-2015” in Karunya University.
- Won the “Young Scientist Award” in 2015 from the Department of Science and Technology.

## Patent

S.N	Title	Status	Application Number	Indian/ International
1	Magnetically Assisted Heat Pipe for Thermal Control	Published	202041011073	Indian
2	Anodized micro fins for enhanced heat transfer in heat pipes with ammonia as working fluid	Filed	202041020927	Indian
3	A friction stir welding device and the method involved thereof	Filed	202041037266	Indian

## Funded Projects

Title of the Project	Funding Agency	Year	Cost (Rs)	Status
Development and Characterization of Anodized Heat Pipes for Electronic Cooling Applications	DST-SERB	2015	23,18,000/-	Completed

## Book chapter

1. L. Sriram Sudhan and **A. Brusly Solomon**, Effect of Temperature on the Surface Characteristics of Anodized Aluminium Tubes, *Trends in Manufacturing and Engineering Management*, Lecture Notes in Mechanical Engineering, Springer Nature Singapore Pte Ltd. 2020, 591-600. [https://doi.org/10.1007/978-981-15-4745-4\\_52](https://doi.org/10.1007/978-981-15-4745-4_52)
2. Stephen E.N., Asirvatham L.G., Ramachandran K., **Solomon A.B.**, RamKumar P. (2021) Feasibility of Al<sub>2</sub>O<sub>3</sub>/Water Nanofluid in a Compact Loop Heat Pipe. In: Akinlabi E., Ramkumar P., Selvaraj M. (eds) *Trends in Mechanical and Biomedical Design. Lecture Notes in Mechanical Engineering*. Springer, Singapore. [https://doi.org/10.1007/978-981-15-4488-0\\_40](https://doi.org/10.1007/978-981-15-4488-0_40)

### Publications in International Journals

S.N	Details of Journals	I.F.
1.	<b>A. Brusly Solomon</b> , N. Joel Arun, K.N. Shukla and B.C. Pillai, <i>Steady State Performance of Rotating Heat Pipes</i> , <i>AIAA-2008-1293</i> . 07 - 10 January 2008, DOI: 10.2514/6.2008-1293	-
2.	K.N. Shukla, <b>A. Brusly Solomon</b> , B.C. Pillai, <i>Experimental Studies of Rotating Heat Pipes</i> , <i>Heat Transfer-Asian Research</i> , Vol. 38 (8), 2009, <b>pp. 475-484</b> .	-
3.	<b>A. Brusly Solomon</b> , K.N. Shukla, B.C. Pillai and A. Mohammed Ibrahim, <i>Thermal Performance of Cylindrical Heat Pipe using Nanofluids</i> , <i>AIAA-2010-1371</i> ., eISBN: 978-1-60086-959-4, DOI: 10.2514/6.2010-1364	-
4.	K.N. Shukla, <b>A. Brusly Solomon</b> , B.C. Pillai and A. Mohammed Ibrahim, <i>Thermal Performance of Cylindrical Heat Pipe using Nanofluids</i> , <i>Journal of Thermo physics and Heat transfer</i> , Vol. 24, No. 4, October-December 2010, pp.796-802	0.9
5.	<b>A. Brusly Solomon</b> , K. Ramachandran, B.C. Pillai, <i>Thermal performance of heat pipe operated with nanoparticle coated wick</i> , <i>Applied Thermal Engineering</i> , Vol. 31 (1) (2012), pp.106-112 ( <b>Impact Factor:3.356</b> ).	4.022
6.	K.N Shukla, <b>A. Brusly Solomon</b> , B.C. Pillai, B. Jacob Ruba Singh and S. Saravana Kumar, <i>Thermal Performance of Heat Pipe with suspended Nano-particles</i> , <i>Heat and Mass Transfer</i> , Vol. 48 (2012), pp. 1913–1920 ( <b>Impact Factor:1.233</b> ).	1.233
7.	K.N Shukla, <b>A. Brusly Solomon</b> , B.C. Pillai, <i>Thermal performance of vapor chamber with nanofluids</i> , <i>Frontiers in Heat Pipes (FHP)</i> , 3, 033004 (2012) DOI:10.5098/fhp.v3.3.3004	
8.	<b>A. Brusly Solomon</b> , Arun Mathew, K. Ramachandran, B.C. Pillai and V.K. Karthikeyan, <i>Thermal performance of anodized two phase closed thermosyphon (TPCT)</i> , <i>Experimental Thermal and Fluid Science</i> , Vol. 48, 2013, pp. 49-57.	2.830
9.	<b>A. Brusly Solomon</b> , K. Ramachandran, L. Godson Asirvatham and B.C. Pillai, <i>Numerical analysis of Screen mesh wick heat pipe with Cu/water nanofluid as a working fluid</i> , <i>International Journal of Heat and Mass Transfer</i> , Vol. 75 (8), 2014, pp. 523-533.	3.458

10.	V. K. Karthikeyan, K. Ramachandran, B. C. Pillai and <b>A. Brusly Solomon</b> , Effect of nanofluids on thermal performance of closed loop pulsating heat pipe, <i>Experimental Thermal and Fluid Science</i> , Vol. 54, 2014, pp. 171-178	2.830
11.	V. K. Karthikeyan, K. Ramachandran, B. C. Pillai and <b>A. Brusly Solomon</b> , Effect of number of turns on the temperature pulsations and corresponding thermal performance of pulsating heat pipe, <i>Journal of Enhanced Heat Transfer</i> , Vol. 20, 2013, pp. 443-452.	0.562
12.	<b>A. Brusly Solomon</b> , R. Roshan, Walter Vincent, V. K. Karthikeyan, L. Godson Asirvatham, Heat transfer performance of an anodized two-phase closed thermosyphon with refrigerant as working fluid, <i>International Journal of Heat and Mass Transfer</i> , Vol. 82, 2015, pp. 521-529	3.458
13.	V. K. Karthikeyan, K. Ramachandran, B. C. Pillai, <b>A. Brusly Solomon</b> , Understanding thermo-fluidic characteristics of a glass tube closed loop pulsating heat pipe: flow patterns and fluid oscillations, <i>Heat Mass Transfer</i> , Vol.51(12) (2015), pp. 1669-1680.	1.233
14.	R. Renjith Singh, V. Selladurai, P.K. Ponkarthik, <b>A. Brusly Solomon</b> , Effect of anodization on the heat transfer performance of flat thermosyphon, <i>Experimental Thermal and Fluid Science</i> , Vol. 68 (2015), pp. 574–581.	2.830
15.	R. Renjith Singh, V. Selladurai, <b>A. Brusly Solomon</b> , S. Emerald Ninolin, Performance of Flat Two Phase Closed Thermosyphon with Porous Surface, <i>International Journal of Applied Engineering Research</i> , Vol. 10 (85), ISSN-0973-4562.	-
16.	<b>A. Brusly Solomon</b> , M. Sekar and S-H. Yang, Analytical expression for thermal conductivity of heat pipe, <i>Applied Thermal Engineering</i> , Vol. 100 (2016), pp. 462-467.	3.356
17.	<b>A. Brusly Solomon</b> , A. M. Ram Kumar, K. Ramachandran, B. C. Pillai, C. Senthil Kumar, Mohsen Sharifpur, Josua P. Meyer, Characterisation of a grooved heat pipe with an anodised surface, <i>Heat and Mass Transfer</i> , Vol. 53(3) (2017) pp. 753-763.	1.233
18.	Jogi Krishna, P.S. Kishore, <b>A. Brusly Solomon</b> , Heat pipe with Nano enhanced-PCM for electronic cooling application, <i>Experimental Thermal and Fluid Science</i> , Vol. 81 (2017), pp. 84-92.	2.830
19.	<b>A. Brusly Solomon</b> , V. Arul Daniel, K. Ramachandran, B.C. Pillai, R. Renjith Singh, M. Sharifpur, J.P. Meyer, Performance enhancement of a two-phase closed thermosiphon with a thin porous copper coating, <i>International Communications in Heat and Mass Transfer</i> , Vol. 82, 2017, pp. 9-19.	3.8
20.	<b>A. Brusly Solomon</b> , M. Sharifpur, Tanja Ottermann, Carla Grobler, Michael Joubert and Josua P. Meyer, Natural convection enhancement in a porous cavity with Al <sub>2</sub> O <sub>3</sub> -Ethylene glycol/water nanofluids, <i>International Journal of Heat and Mass Transfer</i> , Vol. 108, Part B, (2017), pp. 1324-1334.	3.458
21.	<b>A. Brusly Solomon</b> , H. Gavisiddayya, K. Ramachandran, Pavan K. Sharma and B.C. Pillai, Development of a heat flux sensor Based on Heat Pipe as Thermal Sink, <i>Heat Pipe Science and Technology an International Journal</i> , Vol.5, Issue 1-4, pp.655-662.	-
22.	J.C. Joubert, M. Sharifpur, <b>A. Brusly Solomon</b> , J. P. Meyer, Enhancement in heat transfer of a ferrofluid in a differentially heated square cavity through the use of permanent magnets, <i>Journal of Magnetism and Magnetic Materials</i> , Vol. 443,(2017), pp. 149-153.	2.630

23.	<b>A. Brusly Solomon</b> , Josh van Rooyen, Martin Rencken, M. Sharifpur, Josua P. Meyer, Experimental study on the influence of the aspect ratio of square cavity on natural convection heat transfer with Al <sub>2</sub> O <sub>3</sub> /Water nanofluids, <i>International Communications in Heat and Mass Transfer</i> , Volume 88 (2017), pp. 254-261.	3.8
24.	Jogi Krishna, P.S. Kishore, <b>A. Brusly Solomon</b> , Experimental and Numerical Investigations on Al <sub>2</sub> O <sub>3</sub> – Tricosane based Heat Pipe, Thermal Energy Storage, <i>International Journal of Engineering</i> , Volume 36 (6) (2018), pp.980-985	-
25	Mohsen Sharifpur, <b>A. Brusly Solomon</b> , Tanja Linda Ottermann and Josua P. Meyer, Optimum concentration of nanofluids for heat transfer enhancement under natural convection with TiO <sub>2</sub> – water mixture, <i>International Communications in Heat and Mass Transfer</i> , Volume 98 (2018), pp. 297-303	3.8
26	Emerald Ninolin Stephen, Lazarus Godson Asirvatham, Ramachandran Kandasamy, <b>Brusly Solomon</b> , Gnana Sundari Kondru, Heat transfer performance of a compact loop heat pipe with alumina and silver nanofluid, A comparative study, <i>Journal of Thermal Analysis and Calorimetry</i> , Volume 136 (2019), pp. 211–222.	2.209
27	Senthil kumar Chandrasekaran, Krishnan A.S., <b>A. Brusly Solomon</b> , Effect of thin-porous copper coating on the performance of wickless heat pipe with R134a as working fluid, <i>Journal of Thermal Analysis and Calorimetry</i> , <a href="https://doi.org/10.1007/s10973-019-08176-x">https://doi.org/10.1007/s10973-019-08176-x</a> .	2.209
28	I. Kantharaj, M. Sekar, <b>A. Brusly Solomon</b> , Nallapaneni Manoj Kumar, Kalakanda Alfred Sunny, U-drill embedded with phase change heat transfer device for machining applications, Case Studies in Thermal Engineering, Available online 11 September 2019, Article 100533	-
29	S Anand, C P Jawahar, <b>A Brusly Solomon</b> , Varghese Benson, Ashie Alan K, K P Vignesh Nair, V Abraham Alan, Experimental studies on thermosyphon using low global warming potential refrigerant HFE7000 and nanorefrigerant HFE7000/Al <sub>2</sub> O <sub>3</sub> , <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , <a href="https://doi.org/10.1177/0954408919896690">https://doi.org/10.1177/0954408919896690</a>	1.126
30	<b>A. Brusly Solomon</b> , Akhilesh Kumar Mahto, R. Catherine Joy, Albert Rajan Dubey Abhishek Jayprakash, Abhinav Dixit, Abhinav Sahay, Application of bio-wick in Compact Loop Heat Pipe, <i>Applied Thermal Engineering</i> , Volume 169, 25 March 2020, 114927	4.022
31	Allen Varughese, <b>A. Brusly Solomon</b> , Benny Raj, Mohsen Sharifpur, Josua P Meyer, Heat transfer characteristics and flow visualization of anodized flat thermosiphon, <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , Vol 234, Issue 2, 2020.	1.126
32	S. Sivakumar, C. Velmurugan, D.S. Ebenezer Jacob Dhas, <b>A. Brusly Solomon</b> , K. Leo Dev Wins, Effect of nano cupric oxide coating on the forced convection performance of a mixed-mode flat plate solar dryer, <i>Renewable Energy</i> , Vol. 155 (2020), pp. 1165-1172	5.439
33	S Veeramachaneni, SK Pisipaty, DR Vedula, <b>AB Solomon</b> , Characterization of flat miniature loop heat pipe using water and methanol at different inclinations, <i>Experimental Heat Transfer</i> , 1-23	-

34	RS Anand, CP Jawahar, <b>AB Solomon</b> , E Bellos, A review of experimental studies on cylindrical two-phase closed thermosyphon using refrigerant for low-temperature applications, <i>International Journal of Refrigeration</i>	-
35	R. S. Anand, C. P. Jawahar, <b>A. Brusly Solomon</b> , Experimental study and comparison of correlations for heat transfer coefficient of thermosyphon, <i>International Communications in Heat and Mass Transfer (Under review)</i> .	-
36	R. Renjith Singh, <b>A. Brusly Solomon</b> , G. Jims John Wessley, L. Godson Asirvatham, Influence of nucleation sites on the heat transfer and entropy generation of flat thermosyphon, <i>International Journal of Heat and Mass Transfer (Under review)</i>	
37	K. Ajith, Archana Sumohan Pillai, <b>A. Brusly Solomon</b> , I. V. Muthu Vijayan Enoch, Effect of magnetic field on the thermophysical properties of low-density MgFe <sub>2</sub> O <sub>4</sub> ferrofluid, <i>Journal of Mollecular Liquids (Under review)</i>	

### Publications in International Conferences

S.N	Details of conference papers
1.	<b>A. Brusly Solomon</b> , H. Gavisiddayya, K. Ramachandran, Pavan K. Sharma and B.C. Pillai, <i>Development of a heat flux sensor Based on Heat Pipe as Thermal Sink</i> , 17 <sup>th</sup> international Heat pipe conference, IIT Kanpur, India, October 14 – 17, 2013.
2.	<b>A. Brusly Solomon</b> , M. Noel, B. C. Pillai, K. Ramachandran, V. K. Karthikeyan, <i>Anodization and evaluation of an aluminium thermosyphon with anodized inner wall surface</i> , Proceedings of the 23rd National Heat and Mass Transfer Conference and 1st International ISHMT-ASTFE Heat and Mass Transfer Conference, IHMTC2015, 17-20 December, 2015, Thiruvananthapuram, India.
3.	R. Renjith Singh, V. Selladurai, <b>A. Brusly Solomon</b> , T. Balakrishnan, <i>Effect of Nucleation's site on the Performance of Anodized Thermosyphon</i> , Proceedings of the 23rd National Heat and Mass Transfer Conference and 1st International ISHMT-ASTFE Heat and Mass Transfer Conference, IHMTC2015, 17-20 December, 2015, Thiruvananthapuram, India.
4.	Mohsen Sharifpur, <b>A. Brusly Solomon</b> , Josua P. Meyer, J.S. Ibrahim and Barki Immanuel, <i>Thermal conductivity and viscosity of Mango bark/water nanofluids</i> , 13th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics, 17-19 July 2017, Slovenia
5.	<b>A. Brusly Solomon</b> , Mohsen Sharifpur, Josua P. Meyer, J.S. Ibrahim and Barki Immanuel, <i>Natural convection heat transfer with water based mango bark nanofluids</i> , 13th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics, 17-19 July 2017, Slovenia
6.	Jogi Krishna, P.S. Kishore, <b>A. Brusly Solomon</b> , Experimental Study of Thermal <i>Energy Storage Characteristics using Heat Pipe with Nano-Enhanced Phase Change Materials</i> , International Conference on Materials, Alloys, & Experimental Mechanics an IOP Science conference organized by Narasimha Reddy Engineering College, Hyderabad, Telungana, India during 3& 4th July 2017 (Scopus indexed).
7.	Emerald Ninolin Stephen, Lazarus Godson Asirvatham, Ramachandran, <b>Brusly Solomon</b> , Kondru Gnana Sundari" Comparative study on the heat transfer performance of compact loop heat pipe with Al <sub>2</sub> O <sub>3</sub> / water and Ag/water nano fluid" <i>International conference on Thermal Analysis and Energy Systems 2018" held at Hindusthan college of Engineering and Technology</i> , Coimbatore , during 12th and-13th April 2018

8.	R Catherine Joy, A Albert Rajan, <b>A. Brusly Solomon</b> , K Ramachandran and B C Pillai, Experimental investigation on the critical heat flux of Cu-water, Al-water nanofluids for precise cooling of electronic systems, <i><b>International Conference on Material Science and Manufacturing Technology 2019 (ICMSMT 2019)</b></i> between 13-13, April 2019 held at Hotel Aloft, Coimbatore.
9.	<b>A. Brusly Solomon</b> , Catherine Joy, A. Albert Rajan, S. Emerald Ninolin, Jocin Varghese , Performance study of flat heat pipe with metallic copper hierarchical structure as wick, <i><b>Proceedings of International Conference cum Exhibition on ENERGY AND ENVIRONMENT (ICEE2019)</b></i> April 11th & 12th 2019
10.	A.L. Sriram Sudhan, <b>A. Brusly Solomon</b> , Effect of temperature on the surface characteristics of anodized aluminium tubes, <i><b>International Conference on Mechanical Engineering Design (ICMech D)</b></i> , Organized by Sri Sivasubramaniya Nadar College of Engineering Chennai, India during 25-26 April 2019 sponsored by Springer

### Publications in National Conferences

S.N	Details of conference papers
1.	A.M. Ramkumar, <b>A. Brusly Solomon</b> , C. Senthilkumar, <i>Heat transfer Performance in a Grooved Heat Pipe for Different Fill Ratios and Inclination Angles</i> , National Level Conference on “Advances in Design and Manufacturing of Mechanical Systems-ADAMMS ’15 on 26 <sup>th</sup> and 27 <sup>th</sup> of March 2015 Organised by Sri Krishna College of Engineering and Technology, Coimbatore.

### Academic Visits/ Lectures

S.N	Details
1.	Resource Person for the “Engineering Refresher Course on Computational Fluid Dynamics [CFD]” Conducted by Academic Staff College, Christ University at the Faculty of Engineering, Bangalore during 25 <sup>th</sup> April 2012 to 1 <sup>st</sup> May 2012.
2.	Resource Person for the Two Week Refresher Programme on “Computational Fluid Dynamics” Conducted by Karunya University at the School of Mechanical Sciences during 1 <sup>st</sup> -12 <sup>th</sup> June 2015.
3.	Resource Person for the “Colloquium on Research Practices” Organised by Karunya University on 8 <sup>th</sup> of April 2017.
4.	Delivered a guest lecture on “Over view of Heat Pipes” in the Department of Mechanical Engineering, SMK Fomra Institute of Technology, Chennai.

### Program Organized

S.N	Details of Program
1.	Assisted to organize the “DST Project Review Meeting” and a Brainstorming Meeting on Rejuvenation of Traditional Crafts of Tamil Nadu State at Karunya University during 22 <sup>nd</sup> Nov 2013 to 23 Nov 2013.
2.	Organises webinar

### Workshop and conference participation/Presentation

S.N	Details of Program
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1.	National conference on “ <i>Advanced Materials and Characterization</i> ” conducted by VIT University on 23 <sup>rd</sup> -25 <sup>th</sup> July 2008.
2.	International seminar and workshop on “ <i>Medical and Pharmaceutical Nano Technology</i> ” conducted by Anna University, Tiruchy on 25 <sup>th</sup> – 26 <sup>th</sup> September 2008
3.	International workshop on “ <i>Thermal design and management in electronics</i> ” organized by <b>SAMEER Chennai &amp; IIT Mumbai</b> , on 7 <sup>th</sup> – 8 <sup>th</sup> January 2010.
4.	International workshop on “ <i>Thermal management and reliability in electronic systems</i> ” organized by <b>SAMEER Chennai</b> during 15 <sup>th</sup> – 16 <sup>th</sup> July 2010 in Bangalore.
5.	An awareness program on “ <i>Intellectual Property Rights (IPR)</i> ” organised by Karunya University on 18 <sup>th</sup> Nov 2011.
6.	International workshop on “ <i>Advances in Heat pipe Technology</i> ” organized by Government Collage of Technology, Kannur, Kerala on March 24, 2012.
7.	<b>Paper presentation in 23<sup>rd</sup> National and 1<sup>st</sup> International ISHMT-ASTFE Heat and Mass Transfer Conference</b> Organized by ISRO held at Trivandrum, Kerala, India during 17 <sup>th</sup> to 19 <sup>th</sup> December 2015.
8.	<b>One day joint workshop on Patent Filing Procedure</b> jointly conducted by <b>Rajiv Gandhi National Institute of Intellectual Property Management (RGNIPM)</b> , Nagpur and Karunya Institute of Technology and Sciences, Coimbatore on 7 <sup>th</sup> June, 2018
9.	<b>Two day workshop on Question Paper setting</b> organized by the KCDC of Karunya Institute of Technology and Sciences, Coimbatore during 7 <sup>th</sup> and 8 <sup>th</sup> of June 2018.
10.	<b>Presented a paper in the First International Conference on Material Science and Manufacturing Technology 2019 (ICMSMT 2019)</b> between 13-13, April 2019 held at Hotel Aloft, Coimbatore, Tamilnadu.
11.	<b>ICMSMT</b>

### Reviewership

S.N	Journal	Publisher	Year
1	Energy Conversion and Management	Elsevier	2014 onwards
2	ASME Journal of Heat Transfer	ASME	2015
3	Heat Transfer- Asian Research	Wiley	2015 onwards
4	Journal of Enhanced Heat Transfer	Begell House	2015 onwards
5	International Journal of Heat and Mass Transfer	Elsevier	2016 onwards
6	Experimental Thermal and Fluids Science	Elsevier	2016 onwards

### Project Guidance - Undergraduates

S.N	Name	Title	Year
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1	Mark Jude Isaac (06AB024)	Experimental investigation of heat transfer through rotating heat pipes using nanofluids	2009-2010
2	Saurabh Kant Toppo (06AB033)	Study of heat transfer of hot spots in electronic circuits using vapor chamber	2009-2010
3	R. C. Shyam Sachin (UR10ME012)	Development and testing of grooved heat pipe using a refrigerant as a working fluid.	2013-2014
4	Dubey Abisheik Jay Prakash (UR14ME009), Akhilesh Kumar Mahto (UR14ME075) Abhinav Sahay UR14ME101), Abhinav Dixit UR14ME117),	Preparation, Charecterization, and Testing of carbon-based wick structure in the compact loop heat pipe.	2017-2018
5	Darwin Immanuel (UL15ME006)	Performance comparison of Aluminium grooved heat pipe with R134a and R600a as working fluid	2018-2019
6	Ashish K Sam (UR15ME176)	Design and fabrication of cylindrical loop heat pipes	2018-2019
7	Sanjay Santhosh Cherian (UR15ME083), Joshua Prince (UR15ME104)	Experimental Investigation on a Magnetically variable conductance thermosyphon	2018-2019
8	Yenni Kaushik Raj (UR15ME263)	Performance Studies on Thermosyphon working with magnetic nanofluids	2018-2019
9	P.Stanley (UR15ME189)	Power Generation using Thermoelectric generator from Solar energy.	2018-2019

### Project Guidance - postgraduates

S.N	Name	Title	Year
1	R. Roshan (PR12ME1020)	Performance studies of anodized aluminum thermo-siphon with refrigerant as working fluid.	2013-2014
2	S. Paul Arokiam (PR12ME1015)	Development and Testing of Heat pipes with copper dendrite structures as a wick structure.	2013-2014
3	V. Arul Daniel (PR12ME1004)	Performance of two-phase closed thermo-siphon with thin metallic porous coating.	2013-2014
4	Allen Varughese (PR13ME1003)	Heat transfer characteristics and flow visualization of anodized flat thermo-siphon.	2014-2015
5	Jocin Varghese (PR13ME1010)	Visualization and study of heat transfer characteristics in wickless heat pipe and electro-chemically wicked heat pipe.	2014-2015

6	Benny Ajith (PRK17ME6004)	Experimental Investigation on the performance of compact looped heat pipes with copper dendritic as wick structure	2017-2018
7	Mallu Jesse Aron (PRK17ME6006)	Natural convection studies with magnetic nanofluids	2017-2018