

Curriculum Vitae

Dr S. Suresh, is one of the earliest pioneers in developing hybrid Nanofluids and energy storage systems. High-citation research papers on nanofluids have driven the establishment and development of the Nanotechnology Research Laboratory at the National Institute of Technology, Tiruchirappalli. Being an investigator, successfully completed several projects funded by different agencies such as ISRO, DST, SERB, SERI, DST UKIERI, BHEL and CSIR. Have won several awards from the institute for the number of sponsored projects, publications and citations in the institute. With research publications of more than 150 research papers in peer-reviewed journals. At present, leading a large team of scholars working in phase change materials and thermal energy storage systems.

- 1. Name: Dr. S. SURESH
- 2. Designation: Professor
- 3. Office Address: Department of Mechanical Engineering, NITT
- 4. Telephone (Direct) (Optional): Telephone: +91-431-2503422 Extn (Optional): Mobile (Optional):: +91-9842483638
- 5. Email (Primary): <u>ssuresh@nitt.edu</u> Email (Secondary): <u>sureshsiva31@yahoo.com</u>
- 6. Field(s) of Specialization: Heat transfer, Two phase heat transfer, Nanofluids, Solar thermal energy conversion, Phase Change Materials.
- 7. Employment Profile

Job Title Employer From To	Job Title	Employer	From	То
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Professor, Department of Mechanical Engineering	National Institute of Technology, Tiruchirappalli	September 2022	Present
Associate Professor, Department of Mechanical Engineering	National Institute of Technology, Tiruchirappalli	March 2018	September 2022
Assistant Professor, Department of Mechanical Engineering	National Institute of Technology, Tiruchirappalli	April 2007	March 2018
Assistant Professor, Department of Mechanical Engineering	Syed Ammal Engineering College, Ramanathapuram.	June 2005	April 2007
Lecturer	Mohamed Sathak Engineering College, Kilakakrai.	Feb. 2000	Aug. 2004

8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division / Grade	Subjects
Matric/10 th	Syed Ammal Hss Ramanathapuram	1990	I Class	
Pre-Univ./12 ^t	Syed Ammal Hss Ramanathapuram	1992	I Class	
B.E.	Madurai Kamaraj University,Madurai,India	1997	I Class	Mechanical Engineering
M.Tech.	Regional Engineering College,Tiruchirappalli,India	1999	I Class	Energy Engineering
Ph.D	National Institute Of Technology, Tiruchirappalli,India	2007		Mechanical Engineering

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institutio	From	То
	n		
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Associate Dean(R&C)Institution2012201Associate Dean(R&C)Institution2015201DST PAC meeting CoordinatorInstitution2015201Coordinator20152015ClassCommitteeNIT TRICHYJan 2021Till dateAdvisory committee for Sophisticated Instrumentation FacilityNIT TRICHYApril 2021Till dateHostel ConvenerNIT TRICHY2019202I111Labin Charge, NIT TRICHYAug 2009Till dateNanotechnology LabNIT TRICHYAug 2013Till dateLabin Charge, Fluid Mechanics LaboratoryNIT TRICHYAug 2013Till datePAC ChairmanNIT TRICHYJuly 2017Nov 201 7Nov 201 7202Convener of Hostels and Associate Dean (S&W)Hostel Administration Committee, NIT TRICHY201920211111
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Convocation Institution 2009 2010 2011 201
committee
member
Air NIT TRICHY 2007 201
conditioning committee
member

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	То
NA			

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2022,2021,2020,2019	Best Performer Award	National Institute Of Technology,
		Tiruchirappalli
2021	Top 10 Researcher in India	Research.com

2020,2021	Top 2 % Scientist in the world	Stanford University
	(Mechanical)	
2020	Best Project (RESPOND)	SAC-ISRO, Ahmedabad
2019	Sir CV Raman Award	St. Peter's Institute of Higher
		Education and Research
2018	Shastri mobility program Award	Shastri Indo-Canadian institute

12. Fellowships

Year of Award	Name of the Fellowship	Awarding	From	То
		Organization	(Month/Year)	(Month/Year)
NA				

13. Details of Academic Work

- (i) Curriculum Development
 - Established Nano Technology Research Lab for UG, PG and Ph. D students in the academic year 2009-2010.
 - Established Fluid Mechanics Laboratory for UG students in the academic year 2013-2014.
 - Established Centre of Excellence -Energy Harvesting and Storage Technology in the academic year 2019-2020 for Research and Consultancy.
- (ii) Courses taught at Postgraduate and Undergraduate levels
 - Heat And Mass Transfer Energy Conversion Systems Energy Storage Technology Fluid Mechanics Fluid Mechanics Laboratory Thermal Engineering Advanced Heat Transfer Heat transfer Equipment Design Renewable energy
- (iii) Projects guided at Postgraduate level

Title	Student Name	Year
Experimental Investigation of Solar Still with Vent Holes and Nano Hybrid PCM and Bypassing the air below the Basin	Mr. Tapas Kumar Satpathy	2022
Numerical study of Spherical Capsule Based Cold Thermal Energy Storage System	Mr. Atharva Vilas Relkar	2022
Investigations on a Phase Change Material Based Heat Sink With Joined Heat Pipe	Mr. Tobin Mohan	2022
Numerical Study of Heat Transfer Enhancement in Heat Pipe Using a Self- Rewetting Fluid	Mr. Abhisek Pati	2021
A Facile Approach to Enhance the Energy Storage Performance of Water With 1-Decanol Using Aluminum Honeycomb Core for Sustainable Cold Storage System	Mr. Mohammad Arshad Raza	2021
Simulation Study of Charging Characteristics of Water as a PCM Encapsulated in Spherical Enclosure for Cold Energy Storage System	Mr. Mohammad Arshad Raza	2020
Numerical Study of Heat Transfer Enhancement in Heat Pipe Using a Self- Rewetting Fluid	Mr. Abhisek Pati	2020
Numerical Investigation of Heat Treatment With Flue Gas Recirculation to Reduce NOx Emission	Mr. Kotalkara Abdul Saleem	2020
Experimental Investigation on Eliminating the Supercooling Phenomenon of Water for Cold Storage Application	Mr. Shaik Naveed Ahmed	2020
Experimental Investigation of Heat Transfer and Pressure Drop Characterization of Microencapsulated Phase Change Materials/graphene	Mr. Shiju R S	2020

Nanoplatelets/water-Ethylene Glycol Slurry in a Circular Tube		
Numerical Analysis of Building Wall Integrated With SSPCM Based VIP for Energy Efficient Buildings	Mr. Ajay Kumar	2020
Enhancement of Heat Transfer in Paraffin Wax as PCM Using TiO2 Nano Graphene Composite for Solar Application	Mr. E. Kathirvel	2020
Prediction Model for Blast Induced Ground Vibration in Open Pit Mines Blasting Operation	Mr. Ankit Kumar	2020
Experimental Investigation on Freezing and Melting Characteristics of Shape Stabilized 1-DECANOL PCM for Air Conditioning Application	Mr. Shaik Naveed Ahmed	2019
Characterization Study and Heat Transfer Performance Analysis of Solid- Solid-PCM Integrated With Vacuum Insulation Panel for Energy Efficient Buildings	Mr. Ajay Kumar	2019
Risk Analysis of Indurating Furnace at Pellet Plant-II Using Quantitative Hazop	Mr.S.Srijin	2019
Condensation Heat Transfer on Laser Processed Copper with Hydrophobic Coatings	Mr. D. Venkata Krishnan	2019

Numerical Modelling of Flim Cooling of Gas Turbine Blades	Mr.Dheeraj Narsian	2018
Melting and Solidification of Phase Change Material With Internal Plate Type Fin	Mr.Kapil Kumar	2018
Synthesis and Characterisaton of Low Temperature Phase Transiton Solid-Solid PCM	Mr.S.Ganesh Raja	2018
A Dempster Shafer Theory Based Approach to the Failure Mode, Efects and Critcality Analysis Under Epistemic Uncertainty	Mr.Srijin S	2018
Experimental Study on Efect of Thermal Conductvity Enhancer (Nano Additves and Fins) in PCM Based Heat Sink With Constant and Pulsatung Heat Flux	Mr. Anvesh Pavada	2018
Experimental Study on Pool Boiling Characteristcs of Laser Textured Surfaces	Mr. DeepakKumar Halpat	2018
Experimental Study of Condensation Heat Transfer at Different Surface Subcooling Temperatures	Mr. Madda Sudheekar Reddy	2017
Integrated Solar Desalination Plant With Semi Transparent Solar Panel	Mr. Chandrakant Lohani	2017

Experimental Investigation and Thermal Stability of Low Melt Alloy as Thermal Energy Storage Material	Mr. Babu M Pranav	2017
Investigation on Bubble Dynamics in Copper Nanowire Coated Surface	Mr. Chamanagiri Ravi Teja	2017
Heat Transfer Enhancement Using Al2O3/water Nanofluid With Twisted Tape Insert in Evaporator	Mr. T Siva Prasad	2017
Experimental Investigation on the Effect of Structured Surfaces in Pool Boiling Heat Transfer Using FC 72	Mr. Madda Sudheekar Reddy	2016
Experimental Study on Thermal Performance of D Mannitol with Addition of Copper Oxide and Carbon Nanotube Nanoparticles	Mr. Babu M Pranav	2016
Analysis of Bubble Dynamics in Pool Boiling	Mr. Chamanagiri Ravi Teja	2016
Heat Transfer Enhancement Through Twisted Tape Insert in Evaporator	Mr. T Siva Prasad	2016
Integrated Solar Desalination Plant With Direct Absorbing Nanofluid and Phase Change Material	Mr. Chandrakant Lohani	2016

Recovery of Copper and Lead From Waste Electronic Printed Circuit Board by Acid Leaching	Mr. Vineet Kumar Tiwari	2016
Experimental Investigation on Active Solar Still System Using Alumina Therminol Nanofluid	Mr. L Renugambal	2015
Preparation of Erythritol-Alumina Phase Composite With Enhanced Thermal Conductivity for Thermal Energy Storage System	Mr. ChangeKhobragade Sandip Digambar	2015
Experimental Investigation of Carbon Dioxide Sequestration Using Polyol Based Nanofluids	Mr. Gaurav Singh	2015
Effect of Graphene Coating on the Pool Boiling Characteristics of Micro- Patterned Surface	Mr. Kuldeep Kumar	2015
Recovery of Copper and Lead From Waste Electronic Printed Circuit Board by Acid Leaching	Mr. Vineet Kumar Tiwari	2015
Study on Heat Transfer Enhancement in Spray Cooling Using Fe-Doped Hydrophilic Titanium Oxide Coating	Mr. Visakh Gopi	2015
Characterization and Thermal Performance of Myo Inositol Incorporated With Nanoparticles for High Temperature Applications	Mr. Sathish Kumar J	2015

Experimental Investigation of Heat Transfer Characteristics Using Dynamic Mixer Field in Electronic Heat Sink	Mr. Sathish Kumar J	2014
Experimental Investigation on Pool Boiling Heat Transfer Enhancement Using Carbon Nanotubes	Mr. V Bhargavi	2014
Experimental Investigation on Recovery of Hydrocarbon Liquid From E-Waste by Thermal Pyrolysis Using a Fixed Bed Batch Reactor	Mr.Shamin Muthu KK	2014
Experimental Investigation of Carbon Dioxide Sequestration Using Amine Based Nanofluids and Microfluids	Mr.A Chilambarasan	2014
CFD Simulation of Heat Transfer Characteristics in Thermal Spray Coated Super Heater Tubes	Mr.Vishnu S	2014
Experimental Investigation on Flow Boiling Heat Transfer Enhancement in Minichannel Using Spray Pyrolyzed Alumina Coating	Mr.Aneesh Chandran R	2014
Experimental Investigation of Velocity Variation in Al2O3-Cu/water Hybrid Nanofluid Using Digital Computer Microscope	Mr.Naren Dhass S	2013

CFD Analysis of the Dispersion of Pollutants in Workplace	Mr. Bhawan Kumar Mandal	2013
Heat Transfer and Pressure Drop Studies Using AL2O3- Cu/water Hybrid Nanofluid With and Without Wire Coil Inserts	Mr. Rajiv K	2012
CFD Study of the Thermal Comfort of Human Body in Indoor Industrial Environment	Mr. Bhawan Kumar Mandal	2012
Design and Development of Automatc Tripping Device for Electric Overhead Travelling Crane	Mr. K Manusha	2011
Experimental Investigation of Heat Transfer and Friction Characteristics of Al2O3/water Nanofluid Using Helical Screw Tape Inserts	Mr.K P Venkitraj	2010
Experimental Studies on Heat Transfer and Friction Factor Characteristics of Al2O3/water Nanofluid Under Laminar and Turbulent Flow With Spiraled Rod	Mr. S Chandra Sekhar	2009
Finite Element Crash Simulations for Vehicle Using LS- Dyna	Mr. Badri Hariprasad Babu	2008
Thermal Analysis of Pyrotechnic Mixtures by Using DSC	Mr. Narasimha Murthy CH	2008

Analysis of Structural Behaviour of a Steel Concrete Composite Frame at Elevated Temperature	Mr. Lanka Praveen Kumar	2007

(iv) Other contribution(s)

14. Details of Major R&D Projects

Title of Drainet	Eunding Aganov	Dura	ation	Status
The of Project	Funding Agency	From	То	Ongoing/ Completed
Collaborative	DST	2022	2025	Ongoing
Research for				
Accelerated				
Development of				
Energy				
Harvesting				
Materials and				
Devices				
Development of	ISRO-STIC	2022	2024	Ongoing
Ammonia Based				
Flexible Heat-				
Pipe for space				
applications				
Study on Heat Transfer	ISRO	2017	2020	Completed
Characteristics of Low	RESPOND			
Melt Alloy Encapsulated				
PCM for Satellite				
Thermal Management				
MoU for Setup of DAE	(DTDDF)	2016	2021	Completed
Technologies Display	Bhabha Atomic			
and Dissemination	Research Center			
Facility				
Concentrating Solar-	DST UKIERI	2019	2021	Completed
Thermophilic Anaerobic				
Reactor for Municipal				
Solid Waste				
(COSTARMSW)				

NA

Experimental	DST SERI	2015	2018	Completed
Investigation on Heat				1
Transfer Characteristics				
of Hybrid PCM in				
Thermal Storage System				
Experimental Heat Sink	DST SERB	2015	2018	Completed
Coated With Vertically				
Aligned CNT and Metal				
Nanowires				
Miniaturized Compact	DST UKIERI	2015	2018	Completed
Solar Concentrators for				
Water				
Desalination/purification				
Sonochemical	DST and CII	2013	2016	Completed
Preparation of Metal				
Nanoparticles and				
Application of Fuel Cell				
Catalysts				
Flow Visualization,	DST SERB	2010	2013	Completed
Heat Transfer and	FAST TRACK			
Pressure Drop	SCHEME			
Characteristics of				
Hybrid Nanofluids				
Use of Nanofluids in	CSIR	2009	2012	Completed
Liquid Block With				
Rotating Twist Insert for				
Electronic Cooling				
System				

15. Number of PhDs guided

Name of the PhD	Title of PhD Thesis	Role(Supervisor/ Co-	Year of
Scholar		Supervisor)	Award
M Dharmendra	Pool Boiling Heat	Supervisor	2022
	Transfer		
	Enhancement by		
	Surface		
	Modification		
Cyril Reuben Raj	Exploration of	Supervisor	2021
	Nano		
	Enhanced Layered		
	Perovskite and		

	1		
	Polyurethane Solid-		
	Solid PCM		
	for Satellite Avionics		
	Thermal Management		
Praveen B	Studies on the Heat	Supervisor	2020
	Transfer	Supervisor	2020
	Dorformance of		
	Micro Enconculated		
	MICIO Elicapsulated		
	PCM with GhP and		
	LMA as Enhancer		
	in Heat Sink		
D Elan agrica	Mathamatical And	Sugariaga	2020
R.Elangovan	Mathematical And	Supervisor	2020
	CFD Analysis Of		
	Thermoelectric		
	Power Generation		
	System Through		
	Waste Heat		
	Recovery From		
	Boiler And Other		
	Heat Sources		
P. Vigneshwaran	Synthesis and	Supervisor	2020
	thermal	1	
	characterization		
	study on		
	encapsulated phase		
	change materials		
	for thermal energy		
	storage system		
Suilzonth Solzon		Sugar	2020
Srikantin Saiyan	Experimental	Supervisor	2020
	investigation on		
	sugar alcohol based		
	phase change		
	material for solar		
	thermal energy		
	storage laden with		
	liquid metal and		
	low melt alloys		
M. Shahul Hameed	Experimental	Supervisor	2020
	investigation on the		
	effects of hybrid		
	nano fluids on heat		
	transfer and		
	pressure drop		

	characteristics in		
	laminar and		
	turbulent flows		
K. Karthick	Experimental	Supervisor	2020
	optimization of		
	thermal interface		
	and storage		
	materials for solar		
	reversible		
	thermoelectric		
	power generation.		
Udaya Kumar G	Experimental	Supervisor	2019
e duya Rumar e	Investigation On	Supervisor	2017
	Pool Boiling Heat		
	Transfer		
	Enhancement Of		
	Surfaces Coated		
	With Graphene/Cnt		
	Heterostructures		
	And Metal (Cu &		
	Ag) Nanowires		
K P Venkitarai	Experimental	Supervisor	2019
IX. I . Vollitituluj	Investigation on	Supervisor	2017
	Thermal Energy		
	Storage Performance		
	of Pentaerythritol		
	Blended With Nano		
	and Low Melting		
	Materials		
	1. Internation		
D Thiyagarajan	Experimental Studies	Co-Supervisor	2017
2 Imjugurujun	in HVOF Spraved		2017
	Nanostructured and		
	Conventional		
	NiCrSiBFe Coatings		
	for Boiler Tubes		
C S Sujith Kumar	Experimental	Supervisor	2015
- ·- ·· · · · · ·	Investigation on Flow		
	Boiling Heat Transfer		
	Enhancement in		
	Minichannels Using		
	Surface Coating		
Dr. P. Selvakumar	Experimental	Supervisor	2014
	Investigation on Heat	1	
	Transfer and Pressure		

	Drop CharacteriOcs of		
	Nanofluids in		
	Electronic Heat Sink		
Dr. T. A. Daniel	Experimental Study	Supervisor	2010
Sagayaraj	and CFD Analysis of	-	
	Erosion on Carbon		
	Steel Economizer		
	Tubes of Power Boilers		
	by Fly Ash Particles		
Dr. M. chandrasekar	Heat Transfer and	Supervisor	2010
	Pressure Drop Studies	_	
	Using Al2O3/H2O		
Nanofluids With Wire			
	Coil Inserts		

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date	Title of Activity	Level of	Role	Event Organized by	Venue
(s)	·	Event	(Particip		
		(Internati	ant/		
		onal/	Speaker/		
		National/	Chairper		
		Local)	son,		
			Paper		
			presente		
			r, Any		
			other)		
2-5-	Use of ICT in	National	Remote	IIT Bombay	NIT,
2016	education for online		centre		Tiruchirappalli
to 10-	and blended learning		coordina		
7-			tor		
2016			&Partici		
			pant		
26 th	Two- week ISTE	National	Particip	IIT Bombay	IIT
Nov	workshop on		ant		Bombay,
-06 th	Engineering				Mumbai
Dec	Mechanics				
2013					
27 th	NRB funded	National	Particip	Dept. of	NIT,
May	National Workshop		ant	Metallurgical	Tiruchirappalli
				and Materials	

28 th May 2 013	on Surface modifications of structural material			Engineering, NIT, Tiruchirappalli	
11 th Dec- 21 st Dec 2012	Two- week ISTE workshop on Engineering Thermodynamics in Mechanical Engineering	National	Particip ant	IIT Bombay, Mumbai	IIT Bombay, Mumbai
12 Dec 22, Dec20 1	Two weeks ISTE MHRD sponsored Solar Photovoltaics: Fun damental, Technologies and Applications	National	Particip ant	IIT Bombay, Mumbai	IIT Bombay, Mumbai
29 th Nov -10 th Dec 2011	Two- week ISTE workshop on Heat transfer	National	Particip ant	IIT Bombay, Mumbai	IIT Bombay, Mumbai
14 ^{th-} - 24 th June 2011	Two- week ISTE workshop on Thermodynamics in Mechanical Engineering	National	Particip ant	IIT Bombay, Mumbai	IIT Bombay, Mumbai
20 th Ja n 21 Januar y 2011	Theory and Practice Advanced Techniques for the Characterization of Nanomaterials	National	Particip ant	PSG Institute of Advanced Studies	GE
21 st August 2010	One day Workshop on Nanomaterials	National	Particip ant	Dept of Mechanical Engineering, SVCE	SVCE
29 Dec -31st 2009	International	National	Particip ant	Dept of Mechanical	NIT, Tiruchirappalli

	Workshop on recent trends in flow visualization			Engineering, IIT Roorkee	
13rd Dec 2008	One day workshop on sustainable Technologies for future	National	Particip ant	Dept of Chemical Engineering, NIT, Tiruchirappalli	NIT, Tiruchirappalli
18 May 22 May 2008	AICTE sponsored cours e on Recent trends in advanced Manuf acturing	National	Particip ant	Dept of Production Engineering,NIT Tiruchirappalli	NIT, Tiruchirappalli
23 rd Feb 2 008	Workshop on Nanostructures and devices	National	Particip ant	Dept of Physics, NIT, Tiruchirappalli	NIT, Tiruchirappalli
25 th - 29 th , 2 008	Short term course Advanced Tools and technologies for research in engineering problem	National	Particip ant	Dept. of Metallurgical and Materials Engineering, NIT, Tiruchirappa lli	NIT, Tiruchirappalli
Dec 10- 14- Dec, 2007	Energy conservation for Manufacturing a nd process industries	National	Particip ant	Dept of Mechanical Engineering, NIT Tiruchirappalli	NIT, Tiruchirappalli
16 th 17 th Nov 2 007	National workshop on burner design for Clean and Efficient combust ion	National	Particip ant	Dept of Mechanical Engineering, IIT Madras	NIT, Tiruchirappalli
12 th 13 th Oct 2007	All India workshop on recent trends in energy management	National	Particip ant	Dept of Mechanical Engineering, NIT Tiruchirappa Ili	NIT, Tiruchirappalli

17-18 th Sep 2007	Two Day workshop on computational fluid dynamics	National	Particip ant	Under TEQIP joint activity with NIT Warangal and Dept of Mathematics, NIT Tiruchirappal li	NIT, Tiruchirappalli

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event	Date (s)	Role	Venue
	(International/			
	National/ Local)			
Advancement in	International	14/03/2022-	Coordinator	National Institute of
Concentrator	Workshop (Virtual	19/03/2022		Technology,
Photovoltaic System	Mode)			Tiruchirappalli
and its Thermal				
Management				
Sustainable	International	29/11/2019-	Chairperson	National Institute of
development in	Conference	1/12/2019		Technology,
Mechanical				Tiruchirappalli
Engineering				
Frontiers in	International	31/03/2017-	Co-	National Institute of
Engineering	Conference	01/04/2017	Convenor	Technology,
				Tiruchirappalli
Applications of	National	26/11/2018-	Coordinator	National Institute of
Nanotechnology in		08/12/2018		Technology,
Solar Systems				Tiruchirappalli
Environmental Studies	National	02/06/2015-	Coordinator	National Institute of
		12/06/2015		Technology,
				Tiruchirappalli
Fluid Mechanics	National	20/05/2014-	Coordinator	National Institute of
		30/05/2014		Technology,
				Tiruchirappalli
	National	11/12/2012-	Coordinator	National Institute of
Engineering		21/12/2012		Technology,
Thermodynamics				Tiruchirappalli

		12/06/2012-	Coordinator	National Institute of
Computational Fluid		22/06/2012		Technology,
Dynamics	National			Tiruchirappalli
Solar Photovoltaics:	National	12/12/2011-	Coordinator	National Institute of
Fundamentals,		22/12/2011		Technology,
Technologies and				Tiruchirappalli
Applications				
		29/11/2011-	Coordinator	National Institute of
		10/12/2011		Technology,
Heat Transfer	National			Tiruchirappalli

18. Invited Talks delivered

Topic	Date	Inviting Organization
Energy Conservation	2021	GCE, Salem
Through Nanofluids and		
PCM 2021		
Training Programme	2013	NTPC Ramagundam
Deliver Lecture on Heat		
Transfer and Heat		
Exchange		
Lecture on Innovative	2016	College of Engineering, Adoor
Materials for Thermal		
Management		

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date	
Life Member	ISHMT	1317	
Member	Institution of engineer	2018	

20. Academic Foreign Visits

Country	Duration of Visit	Programme
Singapore	Five Days	Research and collaboration meeting
	-	(February 19-23, 2019) in NUS
Canada	Two weeks	Energy and sustainability 2018
		Symposium and Industry Summit,
		University of Windsor on June 2018.

UK	One week	Vacuum	insulation	panel	Symposium,
		Brunel U	niversity		

21. Publications

(A) <u>Refereed Research Journals</u>:

S No	Authors	Title	Publicatio	Volume	Numbe	Pages	Year	Impact
			n		r	_		Factor
								(Option
								al)
1.	Sathyan	Application	Journal	81	1	51-59	2022	
	arayana	of CFD and	of					
	n, S;	ANN in	Scientific					
	Suresh,	predicting	and					
	S;	the flow	Industrial					
	Sridhar	nature of	Research					
	an, M;	flue gas in	(JSIR)					
		the catalytic						
		converter						
2.	Domini	An	Heat and	58	2	247-	2022	
	c, A;	experiment	Mass			262		
	Devahd	al	Transfer					
	hanush,	investigatio						
	VS;	n on the						
	Suresh,	effect of						
	S;	relative						
		waviness						
		on						
		performanc						
		e of						
		minichanne						
		l heat sinks						
		using water						
		and						
		nanofluids						
3.	Rakkap	A facile and	Journal	52		10493	2022	
	pan,	reliable	of			3		
	Solaima	approach to	Energy					
	lai	enhance the	Storage					
	Raja;	energy						
	Sivan,	storage						
	Suresh;	performanc						
	Raza,	e of 1-						
	Moham	Decanol for						

r			1				
	med Arshad; Relkar, Atharva ; Mittal, Harshit; Adak, Mainak ;	sustainable and energy- efficient cold storage system					
4.	Midhun , VC; Suresh, S; SR, Akhil Krishna n;	Effect of vacuum insulation panel integration in phase change material- based passive thermal managemen t system for electronics package exposed to hot air environmen t	Journal of Energy Storage	53	10518 0	2022	
5.	Rakkap pan, Solaima lai Raja; Sivan, Suresh; Praveen , B; Naaren dharan, M; Sudhir, P Sai;	Thermal property, charging and discharging characteristi cs study on tetra-n- butyl ammonium bromide semi- clathrate hydrates for air- conditionin g cold	The Journal of Chemical Thermod ynamics	153	10627 5	2021	

		storage and					
		secondary					
		refrigerant					
		applications			 		
6.	Rakkap	Preparation,	Internati	123	91-	2021	
	pan,	characterisa	onal		101		
	Solaima	tion and	Journal				
	lai	energy	of				
	Raja;	storage	Refrigera				
	Sivan,	performanc	tion				
	Suresh;	e study on					
	Ahmed,	1-Decanol-					
	Shaik	Expanded					
	Naveed	graphite					
	;	composite					
	Naaren	PCM for					
	dharan,	air-					
	М;	conditionin					
	Sudhir,	g cold					
	P Sai;	storage					
		system					
7.	Krishna	Improveme	Case		10085	2021	
	swamy,	nt in	Studies		7		
	Karthik	Thermal	in				
	; Sivan,	Hydraulic	Thermal				
	Suresh;	Performanc	Engineer				
		e by using	ing				
		Continuous					
		V and W-					
		Shaped Rib					
		Turbulators					
		in Gas					
		Turbine					
		Blade					
		Cooling					
		Application					
8.	Rakkap	Preparation	Colloids		12616	2021	
	pan,	and	and		7		
	Solaima	Thermal	Surfaces				
	lai	Properties	A:				
	Raja;	of	Physicoc				
	Sivan,	Encapsulate	hemical				
	Suresh;	d 1-	and				
	Pethura	Decanol for	Engineer				
	ian.	Low-	-				

	Vignes	Temperatur	ing				
	h:	e Heat	Aspects				
	Aditva	Transfer	1 speces				
	Δ·	Fluid					
	Mittal	Application					
	Harshit;	ripplication					
9.	Raj,	Life cycle	Journal	35	10222	2021	
	Cyril	assessment	of		0		
	Reuben	of	Energy				
	;	nanoalloy	Storage				
	Suresh,	enhanced	U				
	S;	layered					
	Singh,	perovskite					
	Vivek	solid-solid					
	Kumar;	phase					
	Bhavsar	change					
	, RR;	material till					
	Chandr	10000					
	asekar,	thermal					
	М;	cycles for					
	Archita,	energy					
	V;	storage					
		applications					
10.	Sathya	COMPAR	Energy		1-15	2021	
	murthy,	ATIVE	Sources,				
	Vikesh;	STUDY OF	Part A:				
	Gopala	VARIOUS	Recovery				
	n,	APPROAC	,				
	Sankar;	HES IN	Utilizatio				
	Suresh,	ANALYSI	n, and				
	Sivan;	S OF TGA	Environ				
	Karupp	DATA OF	mental				
	udayar	DEVOLAT	Effects				
	Ramara	ILIZATIO					
	j,	N OF					
	Balasub	HIGH ASH					
	ramania	INDIAN					
	n;	COAL					
	Deenad						
	ayalan,						
	Santhos						
	h						
	Kumar;		~				
11.	Rakkan	Facile	Sustaina	45	10107	2021	
	Каккар	1 uono	Sustaina	т.)	10107	2021	

	Solaima	fend off the	Energy				
	lai	supercoolin	Technolo				
	Raja;	g	gies and				
	Sivan,	phenomeno	Assessm				
	Suresh;	n of water	ents				
	Preetha	in a					
	m,	spherical					
	Devaras	enclosure					
	etty	for energy-					
	Sasi;	efficient					
	Sudhir,	and					
	Pinjala	sustainable					
	Sai;	cold					
	Naaren	thermal					
	dharan,	energy					
	М;	storage					
		system					
12.	Midhun	Preparation,	Thermal		10104	2021	
	, VC;	characterisa	Science		5		
	Suresh,	tion and	and				
	S;	thermal	Engineer				
	Praveen	property	ing				
	, B;	study of	Progress				
	Neethik	micro/nano					
	umar,	cellulose					
	R;	crystals for					
	Rajesh,	vacuum					
	KS;	insulation					
		panel					
		application					
13.	Kumar,	Thermal	Journal	41	10284	2021	
	R Ram;	managemen	of		7		
	Suresh,	t of	Energy				
	S;	polymer	Storage				
	Suthaka	electrolyte					
	r, T;	membrane					
		fuel cell					
		with stearyl					
		alcohol and					
		fans					
		combined					
14.	Rakkap	Experiment	Journal	41	10294	2021	
	pan,	al	of		1		
	Solaima	Investigatio	Energy				
	lai	n on	Storage				

		-					
	Raja;	Enhanced					
	Sivan,	Energy					
	Suresh;	Storage					
	Naaren	Characterist					
	dharan,	ics of					
	M;	Spherically					
	Sudhir,	Encapsulate					
	Pinjala	d 1-					
	Sai;	Decanol/Ex					
	Preetha	panded					
	m,	Graphite					
	Devaras	Composite					
	etty	for Cold					
	Sasi;	Storage					
		System					
15.	Raj,	Experiment	Internati	167	10700	2021	
	Cyril	al	onal		7		
	Reuben	investigatio	Journal				
	•	n on	of				
	Suresh,	nanoalloy	Thermal				
	S;	enhanced	Sciences				
	Singh,	layered					
	Vivek	perovskite					
	Kumar;	PCM					
	Bhavsar	tamped in a					
	, RR;	tapered					
	Vasude	triangular					
	van,	heat sink					
	Sudhars	for satellite					
	han;	avionics					
	Archita,	thermal					
	V;	managemen					
		t					
16.	Raj,	Experiment	Journal		01-12	2021	
	Cyril	al	of the				
	Reuben	Investigatio	Indian				
	;	n on CNT-	Society				
	Suresh,	Enhanced	of				
	S;	Neopentyl	Remote				
	Singh,	glycol	Sensing				
	Vivek	Solid–Solid					
	Kumar;	PCM for					
	Bhavsar	Application					
	, RR;	s of					
		Thermal					

	Panda,	Control in						
	Anmol;	Spatial						
		Remote						
		Sensing						
		Instruments						
17.	Karthic	Effect of	Solar	219		11078	2021	
	k.	adding	Energy			1		
	Krishna	alumina	Materials			_		
	dass:	nanoparticl	and Solar					
	Suresh	e in D-	Cells					
	Sureshi,	Mannitol	Cons					
	Ь,	for						
		reversible						
		solar						
		thermoelect						
		ric power						
		apparation:						
		An						
		experiment						
		al study						
18	Midhun	Effect of	Thermal			10111	2021	
10.	VC	Vacuum	Science			7	2021	
	, vC, Surech	insulation	and			7		
	Suresh,	nanel on	Engineer					
	Draveen	active	ing					
	R.	thermal	Progress					
	, D, Dai	managaman	Tiogress					
	Cyril	t for						
	Doubon	alactronica						
		system						
	,	exposed to						
		thermal						
		radiation						
19	VC	Thermal	Iournal			Ian-34	2021	
17.	VC, Midhun	protection	of			Jan-J+	2021	
		by	Thermal					
	, Suresh	integration	Science					
	Surcsii,	of vacuum	and					
	Ь,	insulation	Engineer					
		nanel in	ing					
		liquid-	Applicati					
		cooled	one					
		active	0113					
		thermal						
		managemen						
1	1	management	1	1	1	1	1	1

		t for						
		electronics						
		package						
		exposed to						
		thermal						
		radiation						
20.	Sathyan	Effect of	Journal			Jan-25	2021	
	arayana	sucrose	of					
	n, S;	catalyst in	Thermal					
	Suresh,	the catalytic	Science					
	S;	converter	and					
	Sridhar	on	Engineer					
	an, M;	performanc	ing					
	, ,	e and	Applicati					
		emission of	ons					
		spark						
		ignition						
		engine						
21.	Sundara	A new heat	Internati	125		10531	2021	
	vel,	transfer	onal			4		
	Anand;	correlation	Commun					
	Sivan,	for	ications					
	Suresh;	supercritica	in Heat					
	Deenad	l water	and Mass					
	ayalan,	flowing in a	Transfer					
	Santhos	vertical						
	h	tube-an						
	Kumar;	hitherto						
	, , , , , , , , , , , , , , , , , , ,	approach						
22.	Naraya	Heat	Thermal	25	1 Part	395-	2021	
	nasamy	transfer	Science		А	405		
	,	analysis of						
	Manika	looped						
	nda	micro heat						
	Prabu:	pipes with						
	Gurusa	graphene						
	my,	oxide						
	Sureshk	nanofluid						
	annan;	for Li-ion						
	Sivan.	batterv						
	Suresh:	5						
	Senthil							
	kumar.							
	AP:							

23.	Krishna	Influence of	Internati	2021		2021	
	swamy,	Narrow	onal				
	Karthik	Rectangular	Journal				
	; Sivan,	Channel ()	of				
	Suresh;	on Heat	Photoene				
	Ali,	Transfer	rgy				
	Hafiz	and Friction					
	Muham	for V-and					
	mad;	W-Shaped					
	,	Ribs in					
		Turbine					
		Blade					
		Application					
		S					
24.	Pethura	Microencap	Solar	206	 11030	2020	
	jan.	sulation of	Energy		8		
	Vignes	nitrate salt	Materials				
	h;	for solar	and Solar				
	Suresh,	thermal	Cells				
	Sivan;	energy					
	Mojiri,	storage-					
	Ahmad;	synthesis,					
	Konatt.	characterisa					
	Alan	tion and					
	Johnv:	heat					
	, , , , , , , , , , , , , , , , , , ,	transfer					
		study					
25.	Salvan.	Liquid	Solar	208	11036	2020	
	Srikant	Metal	Energy		5		
	h;	Gallium in	Materials		-		
	Praveen	Metal	and Solar				
	, B;	Inserts for	Cells				
	Singh.	Solar					
	Harjit;	Thermal					
	Suresh,	Energy					
	S;	Storage: A					
	Reddy,	Novel Heat					
	A	Transfer					
	Sarath;	Enhanceme					
	,	nt					
		Technique					
26.	Cyril	Influence of	Journal			2020	
	Reuben	fin	of				
	Raj,	configuratio	Energy				
	Suresh	ns in the	Storage				

	S.	heat					
	Bhavsar	transfer					
	, R. R.	effectivenes					
	Singh,	s of Solid					
	Vivek	solid PCM					
	Kumar	based					
	Govind,	thermal					
	K.	control					
	Akash:	module for					
	,	satellite					
		avionics:					
		Numerical					
		simulations					
27.	Mani,	Investigatio	Internati	2020		2020	
	Dharme	n to	onal				
	ndra;	improve the	Journal				
	Sivan,	pool boiling	of				
	Suresh;	heat	Photoene				
	Ali,	transfer	rgy				
	Hafiz	characteristi	0.				
	Muham	cs using					
	mad;	laser-					
	Ganesa	textured					
	n,	copper-					
	Udaya	grooved					
	Kumar;	surfaces					
28.	Venkat	Wettability	Materials	978	505-	2020	
	a,	Control of	Science		513		
	Krishna	Copper	Forum				
	n;	Surface					
	Suresh,	Using					
	S;	Picosecond					
		Laser for					
		Enhancing					
		Condensati					
		on Heat					
		Transfer					
29.	Kumar,	A review	Applied	174	11527	2020	
	G	on the role	Thermal		4		
	Udaya;	of laser	Engineer				
	Suresh,	textured	ing				
	Sivan;	surfaces on					
	Kumar,	boiling heat					
	CS	transfer					
	Sujith:						

-								
	Back,							
	Seungh							
	yun;							
	Kang,							
	Bongch							
	ul; Lee,							
	Hee							
	Joon;							
30.	Kumar,	Experiment	Internati	45	31	15642	2020	
	R Ram;	al	onal			-		
	Suresh,	investigatio	Journal			15649		
	S;	n on PEM	of					
	Suthaka	fuel cell	Hydroge					
	r, T;	using	n Energy					
	Singh,	serpentine						
	Vivek	with						
	Kumar;	tapered						
		flow						
		channels						
31.	Raj,	Influence of	Journal	29		10133	2020	
	Cyril	fin	of			2		
	Reuben	configuratio	Energy					
	;	ns in the	Storage					
	Suresh,	heat						
	S;	transfer						
	Bhavsar	effectivenes						
	, RR;	s of Solid						
	Singh,	solid PCM						
	Vivek	based						
	Kumar;	thermal						
	Govind,	control						
	K	module for						
	Akash;	satellite						
		avionics:						
		Numerical						
		simulations						
32.	Raj,	Thermal	Energy	226		11346	2020	
	Cyril	performanc	Conversi			6		
	Reuben	e of nano-	on and					
	;	enriched	Manage					
	Suresh,	form-stable	ment					
	S;	PCM						
	Vasude	implanted						
	van,	in a pin						
	Sudhars	finned wall-						

	han; Chandr asekar, M; Singh, Vivek Kumar; Bhavsar . RR:	less heat sink for thermal managemen t application					
33.	Raj, Cyril Reuben ; Suresh, S; Upadhy ay, Arijit; Govind, K Akash; Nivetha a, R;	Binary Mixture of Solid-Solid Phase Change Material: Synthesis, Characteriz ation and Experiment al Study	Materials Science Forum	978	407- 420	2020	
34.	NH, Moham ed Ibrahim ; Udayak umar, M; Suresh, Sivan; Bhattac haryya, Suvanja n; Sharifp ur, Mohsen ;	Coupling LES with soot model for the study of soot volume fraction in a turbulent diffusion jet flames at various Reynolds number configuratio ns	Internati onal Journal of Numeric al Methods for Heat & Fluid Flow			2020	
35.	Midhun , VC; Suresh, S;	Experiment al study on phase transition	Journal of Energy Storage	32	10182 5	2020	

-		1			1			
	Praveen	behaviour						
	, B;	of shape						
	Shiju,	stable phase						
	RS;	change						
		material for						
		application						
		in vacuum						
		insulation						
		panel						
36.	Kalidos	Optical and	Internati	2020			2020	
	s, P;	Thermal	onal					
	Venkat	Properties	Journal					
	achalap	of	of					
	athy, S;	Therminol	Photoene					
	Suresh,	55-TiO2	rgy					
	S;	Nanofluids						
		for Solar						
		Energy						
		Storage						
37.	Sarguna	Enhancing	Internati	2020			2020	
	nathan,	the	onal					
	S;	Performanc	Journal					
	Ramana	e of the	of					
	than, K;	Standalone	Photoene					
	Mohide	Rooftop	rgy					
	en, S	SPV						
	Tharves	Module						
	;	during Peak						
	Suresh,	Solar						
	S;	Irradiance						
		and						
		Ambient						
		Temperatur						
		e by the						
		Active						
		Cooling of						
		the Rear						
		Surface						
		with Sproving						
		Spraying Wotor and						
		the Front						
		Surface						
		with						
1	1	witti		1	1	1	1	1

r					r			
		Overflowin a Water						
20	C 11 '		T 1	1.4.1		0001	2020	
38.	Gandhi,	Effect of	Journal	141	6	2231-	2020	
	Nishant	mist	of			2238		
	;	concentrati	Thermal					
	Suresh,	on on the	Analysis					
	S;	cooling	and					
		effectivenes	Calorime					
		s of a	try					
		diffused						
		hole mist						
		cooling						
		system						
39.	Balijep	Numerical	Journal	141	6	2463-	2020	
	alli,	analysis on	of			2474		
	Ramakr	flow and	Thermal					
	ishna;	performanc	Analysis					
	Chandr	e	and					
	amohan	characteristi	Calorime					
	, VP;	cs of a	try					
	Kiranku	small-scale						
	mar, K;	solar						
	Suresh,	updraft						
	S;	tower						
		(SUT) with						
		horizontal						
		absorber						
		plate and						
		collector						
		glass						
40.	Lingaya	Drying	Heat and			Jan-20	2020	
	t,	kinetics of	Mass					
	Abhay;	tomato	Transfer					
	Chandr	(Solanum						
	amohan	lycopersicu						
	, VP;	m) and						
	Raju,	Brinjal						
	VRK;	(Solanum						
	Suresh,	melongena)						
	S;	using an						
		indirect						
		type solar						
		dryer and						
		performanc						
		P						

		parameters						
		of dryer						
41.	Gandhi,	A Study on	Internati	1	ahead-		2020	
	Nishant	the Effect	onal		of-			
	; Sivan,	of Angle in	Journal		print			
	Suresh;	Diffused	of Turbo					
		Hole Film	& Jet-					
		Cooling	Engines					
		Effectivene						
		ss at						
		Different						
		Blowing						
42	Iabalah	Effect of	Enorgios	12	17	1551	2020	
42.	ajahan	Conical	Lifergies	15	17	4554	2020	
	Moham	Strip Inserts						
	ed:	and						
	Michael	ZrO2/DI-						
	, Jee	Water						
	Joe;	Nanofluid						
	Prakasa	on Heat						
	jothi, M	Transfer						
	Arul;	Augmentati						
	Suresh,	on: An						
	Sivan;	Experiment						
	Nasr,	al Study						
	Emad							
	Abouel;							
	Hussein							
12	, HMA; Vankita	DSC	Decent			17 57	2020	
43.	rai KD.	Analysis of	Asian			47-37	2020	
	Suresh	Nano-	Research					
	Stareshi,	enhanced	on					
	Bibin.	Monobasic	Thermal					
	BS;	and Binary	and Fluid					
	Abraha	Solid-Solid	Sciences					
	m, Jisa;	Phase						
		Change						
		Materials						
		for Thermal						
		Storage						
44.	Anish,	Experiment	Sustaina	44		253-	2019	
	R;	al	ble Cities			264		
	Marian	investigatio	1		1			

	pan, V;	n on	and				
	Suresh,	melting and	Society				
	S:	solidificatio	5				
	,	n behaviour					
		of ervthritol					
		in a vertical					
		double					
		spiral coil					
		spirar con					
		ulerman					
		energy					
		storage					
4.5	77 .1 '	system		40	107	2010	
45.	Karthic	Experiment	Energy	48	107-	2019	
	K, K.,	al	for		114		
	Suresh,	investigatio	Sustaina				
	S., Joy,	n of solar	ble				
	G.C.,	reversible	Develop				
	Dhanus	power	ment				
	kodi,	generation					
	R.;	in					
		Thermoelec					
		tric					
		Generator					
		(TEG)					
		using					
		thermal					
		energy					
		storage					
46.	Venkita	Effects of	Mechani	128	64-88	2019	
	rai. KP:	A12O3.	cs of				
	Suresh.	CuO and	Materials				
	S:	TiO2					
	~,	nanoparticl					
		es son					
		thermal					
		nhase					
		transition					
		and					
		anu orvetollizoti					
		crystamzati					
		on					
		properties					
		OI SOIIQ-					
		sona pnase					
		cnange					
		material			1	1	1
47.	Kumar, G Udaya; Krishna n, D Venkat a; Suresh, S; Thanse khar, MR; Prasann	Investigatin g the combined effect of square microgroov es and CNT coating on condensatio n heat transfer	Applied Surface Science	469	50-60	2019	
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	a, R Varun; Jubal, M;						
48.	Murale edharan , M; Singh, H; Udayak umar, M; Suresh, S;	Modified active solar distillation system employing directly absorbing Therminol 55–A12O3 nano heat transfer fluid and Fresnel lens concentrato r	Desalinat	457	32-38	2019	
49.	Praveen , B; Suresh, S;	Thermal performanc e of micro- encapsulate d PCM with LMA thermal percolation in TES based heat sink application	Energy Conversi on and Manage ment	185	75-86	2019	

							r	
50.	Karthic	Theoretical	Renewab	134		25-43	2019	
	k,	and	le					
	Krishna	experiment	Energy					
	dass;	al						
	Suresh,	evaluation						
	S;	of thermal						
	Singh,	interface						
	Harjit;	materials						
	Joy,	and other						
	Grashin	influencing						
	C;	parameters						
	Dhanus	for						
	kodi, R;	thermoelect						
		ric						
		generator						
		system						
51.	Venkita	Experiment	Journal	22		Aug-	2019	
	raj, KP;	al thermal	of			16		
	Suresh,	degradation	Energy					
	S;	analysis of	Storage					
		pentaerythri						
		tol with						
		alumina						
		nano						
		additives						
		for thermal						
		energy						
		storage						
		application						
52.	Hamee	Comparativ	Journal	136	1	243-	2019	
	d, M	e study of	of			253		
	Shahul;	heat	Thermal					
	Suresh,	transfer and	Analysis					
	S;	friction	and					
	Singh,	characteristi	Calorime					
	Rajive	cs of water-	try					
	Kumar;	based	-					
		Alumina–						
		copper and						
		Alumina–						
		CNT hybrid						
		nanofluids						
		in laminar						
		flow						

		.1 1						
		through						
53.	Javgopa	Experiment	Internati	20	1	81-96	2019	
	l, J;	al	onal	-				
	Palappa	investigatio	Journal					
	n, K	ns of	of Oil,					
	Ganesh;	vanadium	Gas and					
	Lakshm	and nickel	Coal					
	inarasi	distribution	Technolo					
	mhan,	while firing	gу					
	M;	petcoke in a						
	Rajavel	circulating						
	, M;	fluidised						
	Suresh,	bed test						
	S;	facility						
54.	Anbu,	Convective	Journal	137	3	849-	2019	
	S;	heat	of			864		
	Venkat	transfer	Thermal					
	achalap	studies on	Analysis					
	athy, S;	helically	and					
	Suresh,	corrugated	Calorime					
	S ;	tubes with	try					
		spiraled rod						
		inserts						
		2/DI water						
		2/DI water						
55	Draveen	Heat	Applied	156		237_	2019	
55.	R.	transfer	Thermal	150		237-	2017	
	Suresh	performanc	Engineer			217		
	Stareshi,	e of	ing					
	Pethura	graphene						
	jan,	nano-						
	Vignes	platelets						
	h;	laden						
		micro-						
		encapsulate						
		d PCM with						
		polymer						
		shell for						
		thermal						
		energy						
		storage						
		based heat						
		sink					1	

56.	Kalidos	Phototherm	Journal	141	6		2019	
	s, P;	al energy	of Solar					
	Venkat	conversion	Energy					
	achalap	enhanceme	Engineer					
	athy, S;	nt studies	ing					
	Suresh,	using low	-					
	S;	concentrati						
	,	on						
		nanofluids						
57.	Karthic	Evaluation	Solar	188		111-	2019	
	k,	of solar	Energy			142		
	Krishna	thermal						
	dass;	system						
	Suresh,	configuratio						
	S;	ns for						
	Hussain	thermoelect						
	,	ric						
	Moham	generator						
	med	applications						
	Muaaz	: a critical						
	MD;	review						
	Ali.							
	Hafiz							
	Muham							
	mad:							
	Kumar.							
	CS							
	Suiith [.]							
58	Elanko	Evaluation	Energy	185		477-	2019	
50.	van R:	of	Ellergy	105		491	2017	
	Suresh	thermoelect				171		
	Surcon,	ric power						
	Karthic	generated						
	k	through						
	Krishna	waste heat						
	dass.	recovery						
	Hussain	from long						
	11ussum	ducts and						
	, Moham	different						
	med	thermal						
	Muaaz	system						
	MD	configuratio						
	IVID, Chandr	configuratio						
	omohor	115						
	UD.							
	VP							

59.	Raj,	Effect of	Thermoc	680	17834	2019	
	Cyril	nano-	himica		1		
	Reuben	gallium	Acta				
	;	capsules on					
	Suresh,	thermal					
	S;	energy					
	Bhavsar	storage					
	, RR;	characteristi					
	Singh,	cs of					
	Vivek	manganese					
	Kumar;	organometa					
	Reddy,	llic SS-					
	Sarath;	PCM					
60.	Venkita	Energy	Thermoc	680	17834	2019	
	raj, KP;	storage	himica		3		
	Suresh,	performanc	Acta				
	S;	e of					
	Praveen	pentaerythri					
	, B;	tol blended					
		with indium					
		in exhaust					
		heat					
		recovery					
		application			 		
61.	Raj,	Manganese-	Mechani	135	88-97	2019	
	Cyril	based	cs of				
	Reuben	layered	Materials				
	;	perovskite					
	Suresh,	solid–solid					
	S;	phase					
	Bhavsar	change					
	, RR;	material:					
	Singh,	Synthesis,					
	Vivek	characteriza					
	Kumar;	tion and					
	Reddy,	thermal					
	А	stability					
	Sarath;	study					
	Upadhy						
	ay,						
	Arijit;				 		
62.	Venkita	Experiment	Sustaina	51	10176	2019	
	raj, KP;	al charging	ble Cities		7		
	Suresh,	and	and				
	S;	discharging	Society				

	Praveen	performanc	ľ					
	, B;	e of	ľ					
		alumina	ľ					
		enhanced	ľ					
		pentaerythri						
	l	tol using a						
		shell and						
	l	tube TES						
		system						
63	Elanko	Modelling					2019	
0.5.	van R:	and	ļ				2017	
	Suresh	Ontimizatio						
	S.	n of Heat						
	Karthic	Transfer						
	k K.	Coefficients						
	к, іх,	for Upt and						
	l	Cold Sides						
		Cold Sides						
		01 Thermoolee						
		I nermoelec						
	l	unc Comparator						
		Generator						
	l	(TEG)						
		system	'			1 - 9 4		
64.	Manick	Erythritol	Internati	6		1631-	2019	
	am, K;	based	onal			1636		
	Kalidos	Nano-PCM	Research					
	s, P;	for Solar	Journal					
	Suresh,	Thermal	of					
	S;	Energy	Engineer					
	Venkat	Storage	ing and					
	achalap		Technolo					
	athy, S;		gy					
			(IRJET)					
65.	Ajith	An	Heat and			Jan-30	2019	
	Krishna	experiment	Mass					
	n R,	al	Transfer					
	Balasub	investigatio						
	ramania	n on the						
	n K., R	effect of						
	Suresh,	gravitationa						
	S;	l orientation						
		on flow	1					
		boiling	ľ					
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		periormanc					1	

		different					
		channel					
		sizes ranges					
		from					
		minichanne					
		ls to					
		microchann					
		els					
66.	Goud,	A novel	Solar	194	871-	2019	
	Mallika	indirect	Energy		885		
	rjuna;	solar dryer					
	Reddy,	with inlet					
	Mugi	fans					
	Vishnu	powered by					
	Vardha	solar PV					
	n;	panels:					
	Chandr	drying					
	amohan	kinetics of					
	, VP;	Capsicum					
	Suresh,	Annum and					
	S;	Abelmosch					
		us					
		esculentus					
		with dryer					
		performanc					
		e					
67.	Cyril	Recent	Journal		Jan-27	2019	
	Reuben	developmen	of				
	Raj, S	ts in	Thermal				
	Suresh,	thermo-	Analysis				
	RR	physical	and				
	Bhavsar	property	Calorime				
	. Vivek	enhanceme	trv				
	Kumar	nt and					
	Singh:	applications					
	~	of solid					
		solid phase					
		change					
		materials					
68	Krishna	Wetting	Internati	140	886-	2019	
00.	n D	transition in	onal	110	896	2017	
	Venkat	laser-	Journal		070		
	a.	fabricated	of Heat				
	Kumar	hierarchical	and Mass				
	G	surface	Transfer				
	U	Surrace	riunsion				

	Udaya;	structures						
	Suresh,	and its						
	S;	impact on						
	Jubal,	condensatio						
	M;	n heat						
	Thanse	transfer						
	khar,	characteristi						
	MR;	CS						
	Ramesh							
	, Ravi;							
69.	Balasub	Experiment	Thermal	23	5 Part	2995-	2019	
	ramania	al analysis	Science		В	3001		
	n, Andi;	of triple						
	Jayara	fluid						
	man,	vapour						
	Venkat	absorption						
	esan;	refrigeratio						
	Sivan,	n system						
	Suresh;	driven by						
	Vairava	electrical						
	n,	energy and						
	Mariap	engine						
	pan;	waste heat						
70.	Pethura	Facile	Solar	185		524-	2018	
	jan,	approach to	Energy			535		
	Vignes	improve	Materials					
	h;	solar	and Solar					
	Sivan,	thermal	Cells					
	Suresh;	energy						
	Konatt,	storage						
	Alan	efficiency						
	Johny;	using						
	Reddy,	encapsulate						
	А	d sugar						
	Sarath;	alcohol						
		based phase						
		change						
		material						
71.	Anbu,	Heat	Heat and	54		1301		
	S.,	transfer and	Mass			-1311		
	Venkat	pressure	Transfer/					
	achalap	drop studies	Waerme-					
	athy, S.,	of TiO2/DI	und					
	Suresh,	water	Stoffueb					
	S.	nanofluids	ertragung					

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		in helically corrugated tubes using spiraled rod inserts					
72.	Venkita raj, K.P., Suresh, S., Alwin Mathew , T., Bibin, B.S., Abraha m, J.	An experiment al investigatio n on heat transfer enhanceme nt in the laminar flow of water/TiO2 nanofluid through a tube heat exchanger fitted with modified butterfly inserts	Heat and Mass Transfer/ Waerme- und Stoffueb ertragung	54	813- 829		
73.	Arulpra kasajot hi, M., Elango van, K., Chandr asekhar, U., Suresh, S.	Experiment al study of a water- based titanium oxide nanofluid in a circular pipe with transition flow and conical strip inserts	Heat Transfer Research	49	439- 456		
74.	Pethura jan, Vignes h; Siyan,	Issues, comparison s, turbine selections and	Energy Conversi on and Manage ment	166	474- 488	2018	

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		Suresh;	applications						
		Joy,	-An						
		Grashin	overview in						
		С;	organic						
			Rankine						
			cycle						
	75.	Salyan,	Liquid	Internati	43	4	2469-	2018	
		Srikant	metal	onal			2483		
		h;	gallium	Journal					
		Suresh,	laden	of					
		S;	organic	Hydroge					
			phase	n Energy					
			change						
			material for						
			energy						
			storage: an						
			experiment						
			al study						
	76.	Venkita	Experiment	Journal	17		01-Oct	2018	
		raj, KP;	al heat	of					
		Suresh,	transfer	Energy					
		S;	analysis of	Storage					
		Praveen	macro	C					
		, B;	packed						
		Nair,	neopentylgl						
		Sreeju	vcol with						
		C;	CuO nano						
		,	additives						
			for building						
			cooling						
			applications						
			Study on						
			performanc						
			e						
			enhanceme						
			nt factors in						
			turbulent						
			flow of						
			CNT/water						
			nanofluid						
			through a						
			tube fitted						
			with helical						
			Screw						
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		louvered						
		rod inserts						
77	Venkita	Experiment	Thermoc	662		75-89	2018	
//.	rai KP.	al study on	himica	002		15 07	2010	
	Suresh	the thermal	Acta					
	Surcon,	storage	neta					
	Б,	performanc						
		e and non-						
		e allu lion-						
		amustallizati						
		on kinetics						
		OI						
		pentaerythri						
		tol blended						
		with low						
		melting						
		metal				1001	• • • • •	
78.	Praveen	Experiment	Engineer	21	5	1086-	2018	
	, В;	al study on	ing			1094		
	Suresh,	heat	science					
	S;	transfer	and					
		performanc	technolo					
		e of	gy, an					
		neopentyl	internatio					
		glycol/CuO	nal					
		composite	journal					
		solid-solid						
		PCM in						
		TES based						
		heat sink						
79.	Kumar,	Role of	Journal	532		218-	2018	
	G	inter-	of			230		
	Udaya;	nanowire	colloid					
	Suresh,	distance in	and					
	S;	metal	interface					
	Thanse	nanowires	science					
	khar,	on pool						
	MR;	boiling heat						
	Halpati,	transfer						
	Deepku	characteristi						
	mar;	CS						
		Multi-						
		walled						
		carbon						
		nanotube						

		laden with D-Mannitol as phase change material: Characteriz ation and experiment al investigatio n						
80.	Pethura jan, Vignes h; Sivan, Suresh;	Fabrication, characterisa tion and heat transfer study on microencap sulation of nano- enhanced phase change material	Chemical Engineer ing and Processin g- Process Intensific ation	133		Dec- 23	2018	
81.	Salyan, Srikant h; Suresh, S;	Multi- walled carbon nanotube laden with D-Mannitol as phase change material: characteriza tion and experiment al investigatio n	Advance d Powder Technolo gy	29	12	3183- 3191	2018	
82.	Salyan, Srikant h; Suresh, S;	Study of thermo- physical properties and cycling stability of	Journal of Energy Storage	15		245- 255	2018	

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		D-						
		Mannitol-						
		copper						
		oxide						
		nanocompo						
		sites as						
		phase						
		change						
		materials						
83.	Pethura	Experiment	Invention	3	2	31	2018	
	jan,	al study of	S					
	Vignes	an organic						
	h;	rankine						
	Sivan,	cycle using						
	Suresh;	n-hexane as						
		the working						
		fluid and a						
		radial						
		turbine						
		expander						
84.	Venkita	Experiment	Applied	137		461-	2018	
	raj, KP;	al study on	Thermal			474		
	Suresh,	the thermal	Engineer					
	S;	performanc	ing					
	Venugo	e of nano	U					
	pal,	enhanced						
	Arjun;	pentaerythri						
		tol in IC						
		engine						
		exhaust						
		heat						
		recovery						
		application						
85.	Krishna	Evaluating	Applied	133		727-	2018	
	n, D	the scale	Thermal			738		
	Venkat	effects of	Engineer					
	a;	metal	ing					
	Kumar,	nanowire	Ű					
	G	coatings on						
	Udaya;	the thermal						
	Suresh.	performanc						
	S;	e of						
	Thanse	miniature						
	khar,	loop heat						
	MR:	pipe						

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	Iqbal, Uzair:							
86.	Arulpra	Performanc	Thermal	22	1 Part	477-	2018	
	kasaiot	e study of	Science		В	485		
	hi,	conical						
	Mahali	strip inserts						
	ngam;	in tube heat						
	Elango	exchanger						
	van,	using water						
	Kariapp	based						
	an;	titanium						
	Chandr	oxide						
	asekhar,	nanofluid						
	Udayag							
	iri;							
	Suresh,							
	Sivan;			. –				
87.	Karthic	Impact of	Journal	47	10	5763-	2018	
	k,	thermal	of			5772		
	Krishna	interface	Electron					
	dass;	materials	C Matariala					
	JOY, Creatin	IOT	Materials					
	Grasnin	thermoelect						
	C; Surach	nc						
	Sulesii,	generator						
	Dhanus	systems						
	kodi \mathbf{R}							
88	Arulpra	Experiment	Heat	49	5		2018	
	kasaiot	al studies of	Transfer	.,	C C		2010	
	hi, M;	water-based	Research					
	Elango	titanium						
	van, K;	oxide						
	Chandr	nanofluid in						
	asekhar,	a circular						
	U;	pipe under						
	Suresh,	transition						
	S;	flow with						
		conical						
	** • •	strip inserts	.	100		1011	2010	
89.	Krishna	Experiment	Internati	120		1341-	2018	
	n, K	al	onal			1357		
	Ajith;	investigatio	Journal					
	Balasub	n of the	of Heat					
1	ramania	enect of		1			1	

	n, KR;	heat sink	and Mass					
	Suresh,	orientation	Transfer					
	S:	on						
	,	subcooled						
		flow						
		boiling						
		norformana						
		periormane						
		e in a						
		rectangular						
		microgap						
		channel						
90.	Kumar,	Modified	Experim	96		493-	2018	
	Ganesa	surfaces	ental			506		
	n	using	thermal					
	Udaya;	seamless	and fluid					
	Soni,	graphene/ca	science					
	Khushb	rbon						
	00;	nanotubes						
	Suresh,	based						
	Sivan;	nanostructu						
	Ghosh,	res for						
	Kaushi	enhancing						
	k;	pool boiling						
	Thanse	heat						
	khar.	transfer						
	MR ·							
	Babu P							
	Dinesh.							
01	Salvan	L ow melt	Iournal	266		20-12	2018	
)1.	Saiyan, Srikant	alloy	of	200		27-42	2010	
	b.	anhanced	Molecula					
	II, Surach	solid liquid	r Liquida					
	Sulesii,	sond-nquiu	i Liquius					
	Doddy	phase						
	Reduy,	change						
	A Como da c	organic						
	Sarath;	sugar						
		alcohol for						
		solar						
		thermal						
		energy						
		storage						
92.	Balasub	Transient	Journal	7	6	1035-	2018	
	ramania	flow	of			1044		
	n, KR;	boiling	Nanoflui					
	Krishna	performanc	ds					

		n, R	e and						
		Ajith;	critical heat						
		Suresh,	flux						
		S;	evaluation						
			of Al2O3-						
			water						
			nanofluid in						
			parallel						
			microchann						
			els						
	93.	Anbu,	Heat	Heat and	54	5	1301-	2018	
		S;	transfer and	Mass			1311		
		Venkat	pressure	Transfer					
		achalap	drop studies						
		athy, S;	of TiO 2/DI						
		Suresh,	water						
		S;	nanofluids						
			in helically						
			corrugated						
			tubes using						
			spiraled rod						
			inserts						
	94.	Balasub	Spatial	Experim	99		392-	2018	
		ramania	orientation	ental			406		
		n, KR;	effects on	Thermal					
		Krishna	flow	and Fluid					
		n, R	boiling	Science					
		Ajith;	performanc						
		Suresh,	es in open						
		S;	microchann						
			els heat						
			sink						
			configuratio						
			n under a						
			wide range						
			of mass						
	- -	5 1	fluxes	<u></u>			100		
	95.	Rathna	Study on	Chemical	127		103-	2018	
		kumar,	performanc	Engineer			110		
		P;	e	ing and					
		Iqbal, S	enhanceme	Processin					
		Moham	nt factors in	g-					
		ed;	turbulent	Process					
ļ		Michael	tlow of	Intensific					
		, Jee	CN1/water	ation					

	Joe;	nanofluid						
	Suresh,	through a						
	S;	tube fitted						
		with helical						
		screw						
		louvered						
		rod inserts						
96.	Suresh,	Solar	Applicati			187-	2018	
	S;	Thermal	ons of			205		
	Salyan,	Energy	Solar					
	Srikant	Storage	Energy					
	h;	Using						
		Graphene						
		Nanoplatele						
		ts-Added						
		Phase						
		Change						
		Materials						
97.	Venkita	An	Heat and	54	3	813-	2018	
	raj, KP;	experiment	Mass			829		
	Suresh,	al	Transfer					
	S;	investigatio						
	Mathew	n on heat						
	, T	transfer						
	Alwin;	enhanceme						
	Bibin,	nt in the						
	BS;	laminar						
	Abraha	flow of						
	m, Jisa;	water/TiO 2						
		nanofluid						
		through a						
		tube heat						
		exchanger						
		fitted with						
		modified						
		butterfly						
		inserts						
98.	Kumar,	Elucidating	Applied	137		868-	2018	
	CS	the	Thermal			891		
	Sujith;	mechanism	Engineer					
	Kumar,	s behind the	ing					
	G	boiling heat						
	Udaya;	transfer						
	Arenale	enhanceme						
	s,	nt using						

	Mario	nano-						
	R Mata;	structured						
	Hsu,	surface						
	Chin-	coatings						
	Chi;							
	Suresh,							
	S;							
	Chen,							
	Ping-							
	Hei;					0.50	2015	
99.	Domini	An	Heat and	53	3	959-	2017	
	c, A;	experiment	Mass			971		
	Saranga	al study of	Transfer					
	n, J;	heat						
	Suresh,	transfer and						
	S;	pressure						
	Devahd	drop						
	hanush,	characteristi						
	VS;	cs of						
		divergent						
		wavy						
		minichanne						
		ls using						
100		nanofluids		-		- 10	a a 4 -	
100.	Hamee	Convective	Journal	6	4	743-	2017	
	d, M	Heat	of			750		
	Shahul;	Transfer	Nanoflui					
	Suresh,	and	ds					
	S;	Pressure						
		Drop						
		Characterist						
		ics of						
		Al2O3-						
		CNT/Water						
		Hybrid						
		Nanofluid						
		in Straight						
		Circular						
		Tube Under						
		Turbulent						
		Flow						
101.	Kumar,	Effect of	Applied	423		509-	2017	
	Udaya;	diameter of	Surface			520		
	Suresh,	metal	Science					
	S:	nanowires						

	Thanse	on pool					
	khar	boiling heat					
	MR:	transfer					
	Babu	with FC-72					
	Dinesh:						
102	Venkita	Experiment	Experim	88	73-87	2017	
102.	rai KP.	al study on	ental	00	15 01	2017	
	Suresh	thermal and	Thermal				
	Sureshi, S.	chemical	and Fluid				
	2,	stability of	Science				
		pentaerythri	Science				
		tol blended					
		with low					
		melting					
		allov as					
		possible					
		PCM for					
		latent heat					
		storage					
103.	Singh,	Graphene	Thermal	2	01-07	2017	
	DK;	nanoplatelet	Science				
	Suresh,	s enhanced	and				
	S;	myo-	Engineer				
	Singh,	inositol for	ing				
	H;	solar	Progress				
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		energy					
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104.	Rose,	Investigatio	Solar	147	426-	2017	
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	Singh,	nanofluids					
	H;	as direct					
	Verma,	solar					
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	Ananth						
	araman,						
	N;						
	Mariotti						
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	e, P;						

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105.	Singh,	Myo-	Applied	110		564-	2017	
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	S;	PCM for	ıng					
	Singh,	solar						
	H; Daga	thermal						
	Rose,	energy						
	BAJ; Tasaay	storage						
	Tassou,							
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	arannan, N∙							
106.	Krishna	The effect	Internati	110		276-	2017	
	n, R	of heating	onal			293		
	Ajith;	area	Journal					
	Balasub	orientation	of Heat					
	ramania	on flow	and Mass					
	n, KR;	boiling	Transfer					
	Suresh,	performanc						
	S;	e in						
		microchann						
		els heat						
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		subcooled						
		condition						
107.	Venkita	Pentaerythri	Journal	13		359-	2017	
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	Suresh,	alumina	Energy					
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	, D; Vopuge	ior mermal						
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	Aljuli, Nair	applications						
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108.	C, Thivaga	Synthesis	Transacti	70	10	2555-	2017	
	rajan.	and	ons of			2561		
	B:	Characteriz	the					
	Senthil	ation of	Indian					
	kumar,	Nanostructu	Institute					
	V;	red	of Metals					
	<i>,</i>	NiCrFeSiB						

	Suresh,	HVOF						
	S;	Coating						
109.	Alam,	Energy and	Applied	188		01-08	2017	
	Mahmo	economic	Energy					
	od;	analysis of						
	Singh,	Vacuum						
	Harjit;	Insulation						
	Suresh,	Panels						
	S;	(VIPs) used						
	Redpat	in non-						
	h,	domestic						
110	DAG;	buildings	г •	70		225	2016	
110.	Kumar,	Effect of	Experim	/0		325-	2016	
	CS Swiithe	surfactant	ental			334		
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	, AS, Kumar	and						
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	Santhos	nt of flow						
	h: Gopi.	boiling heat						
	Vishak	transfer						
	h;							
111.	Mala,	Parametric	Journal	22		3791-		
	D.,	optimizatio	of the			3803		
	Sendhil	n for heat	Balkan					
	nathan,	transfer	Tribologi					
	S.,	characteristi	cal					
	Suresh,	cs of	Associati					
	S.,	Al2O3/wate	on					
	Jaisank	r nanofluid						
	ar, S.	with						
		circular						
		ring insert						
		by using						
		taguchi						
		method						
112	Arulpra	Experiment	Frontiers	10	2	136-	2016	
	kasaiot	al	in		-	142	_010	
	hi, M:	investigatio	Energy			- • -		
	Elango	n on heat	6,					
	van, K;	transfer						

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	Reddy,	effect of					
	K	conical					
	Hema	strip inserts					
	Chandr	in a circular					
	a;	tube under					
	Suresh,	laminar					
	S;	flow					
113.	Dharme	Pool	Applied	99	61-71	2016	
	ndra,	boiling heat	Thermal				
	М;	transfer	Engineer				
	Suresh,	enhanceme	ing				
	S;	nt using					
	Kumar,	vertically					
	CS	aligned					
	Sujith;	carbon					
	Yang,	nanotube					
	Qiaqin;	coatings on					
		a copper					
		substrate					
114.	Sujith	Effect of	Experim	70	325-	2016	
	Kumar,	surfactant	ental		334		
	C.S.,	addition on	Thermal				
	Suresh,	hydrophilici	and Fluid				
	S.,	ty of ZnO-	Science				
	Praveen	Al2O3					
	, A.S.,	composite					
	Santhos	and					
	h	enhanceme					
	Kumar.	nt of flow					
	M.C.,	boiling heat					
	Gopi.	transfer					
	V.						
115.	Murale	Directly	Solar	137	134-	2016	
	edharan	absorbing	Energy		142		
	. M:	Therminol-	01				
	Singh,	A12O3					
	H;	nano heat					
	Suresh.	transfer					
	S:	fluid for					
	Udavak	linear solar					
	umar.	concentrati					
	M:	ng					
	-,	collectors					

116.	Mala,	Heat	Thermal	20	suppl.	1159-	2016	
	Dharma	transfer	Science		4	1168		
	lingam:	characteristi						
	Sechass	cs of						
	alom	Al2O3/wate						
	Sendhil	r nanofluid						
	nathan	in laminar						
	Sivan	flow						
	Surach:	conditions						
	Suresii,	with						
		witti ainaulan						
		circular						
117	D	ring insert	T T1 1	20	1	1005	2016	
11/.	Ponnus	Experiment	Thermal	20	suppl.	1005-	2016	
	amy,	al studies	Science		4	1015		
	Selvaraj	on heat						
	;	transfer and						
	Shanmu	friction						
	gam,	factor						
	Rajasek	characteristi						
	aran;	cs of a						
	Sivan,	turbulent						
	Suresh;	flow for						
	Jaganat	internally						
	han,	grooved						
	Saranga	tubes						
	n;							
118.	Kumar,	Flow	Applied	334		102-	2015	
	Sujith;	boiling heat	Surface			109		
	Suresh,	transfer	Science					
	S;	enhanceme						
	Aneesh,	nt on						
	CR:	copper						
	Kumar.	surface						
	Santhos	using Fe						
	h:	doped						
	Praveen	A12O3-						
	AS	TiO2						
	Raii K	composite						
	1Xaj1, 1X,	coatings						
110	Kumar	Review on	Engineer	10	1	67-83	2015	
117.	Derives	nanofluida	ing	17	1	07-05	2013	
	amy	theoretical	Iournal					
	Mulcoh	thormal	Journai					
	wiukesii	andrativit						
	;	conductivit						
	Kumar,	y models						

		-					
	Jegadee san; Tamilar asan, Rengas amy; Sendhil nathan, Seshach alam; Suresh, Sivan;						
120.	Venkat achalap athy, S., Kumare san, G., Suresh, S.	Performanc e analysis of cylindrical heat pipe using nanofluids - An experiment al study	Internati onal Journal of Multipha se Flow	72	188- 197	2015	
121.	Sujith Kumar, C.S., Suresh, S., Aneesh, C.R., Santhos h Kumar, M.C., Praveen , A.S., Raji, K.	Flow boiling heat transfer enhanceme nt on copper surface using Fe doped Al 2 O 3 -TiO 2 composite coatings	Applied Surface Science	334	102- 109	2015	
122.	Arulpra kasajot hi, M; Elango van, K; Hemac handra	Experiment al study of preparation, characterisa tion and thermal behaviour	Applied Mechani cs and Materials	766	348- 354	2015	

r		1					1	
	Reddy,	of water-						
	K;	based						
	Suresh,	nanofluids						
	S;	containing						
		titanium						
		oxide						
		nanoparticl						
		es						
123.	Chitra.	Investigatio	Journal	22	1		2015	
	Subbiah	n of heat	of		-		-010	
	Rammo	transfer	Enhance					
	han	characteristi	d Heat					
	Sendhil	cs of	Transfer					
	nathan	mamnni/di	Tansier					
	Sachasa	w based						
	lom	w-based						
	Surach	for						
	Sulesii,	IOI						
	Sivaii,	quenching						
104	Cathara	applications	A	012		(74	2015	
124.	Sathees	Effect of	Applied	813		0/4-	2015	
	nkumar	Geometrica	Mechani			0/8		
	, M;		cs and					
	Thanse	Parameters	Materials					
	khar,	on Flow						
	MR;	Mal-						
	Anbum	Distribution						
	eenaksh	in a Wavy						
	i, C;	Microchann						
	Suresh,	el						
	S;							
125.	Ali, A	Heat	Int Res J	2	9	2480-	2015	
	Akbar;	transfer	Eng			2484		
	Kumara	enhanceme	Technol					
	gurubar	nt in						
	an, B;	vertical						
	Suresh,	helical						
	S;	coiled heat						
	Babu,	exchanger						
	K	by using						
	Lakshm	nano fluid-						
	ana;	TiO2/water						
126.	Mala,	THERMAL	JOURN	21	4	1055-	2015	
	D;	PERFORM	AL OF			1071		
	Sendhil	ANCE OF	THE					

	nathan,	AL 2 O 3	BALKA					
	S;	NANOFLU	Ν					
	Suresh,	ID WITH	TRIBOL					
	S;	CIRCULA	OGICAL					
		RRING	ASSOCI					
		INSERT IN	ATION					
		PLAIN						
		TUBE						
127.	Domini	An	Journal	7	3	31012	2015	
	c, A;	experiment	of					
	Saranga	al	Thermal					
	n, J;	investigatio	Science					
	Suresh,	n of wavy	and					
	S;	and straight	Engineer					
	Devah	minichanne	ing					
	Dhanus	l heat sinks	Applicati					
	h, VS;	using water	ons					
		and						
		nanofluids						
128.	Rathna	Laminar	Journal	14	3	2400-	2014	
	kumar,	heat	of			2407		
	Ρ;	transfer and	nanoscie					
	Mayilsa	friction	nce and					
	my, K;	factor	nanotech					
	Suresh,	characteristi	nology					
	S;	cs of carbon						
	Muruge	nano						
	san, P;	tube/water						
		nanofluids						
129.	Kumar,	Flow	Applied	65	1	166-	2014	
	CS	boiling heat	Thermal			175		
	Sujith;	transfer	Engineer					
	Suresh,	enhanceme	ing					
	S;	nt using						
	Yang,	carbon						
	Lezhi;	nanotube						
	Yang,	coatings						
	Qiaqin;							
	Aravind							
	, S;							
130.	Suresh,	Turbulent	Journal	14	3	2563	2014	
	S.,	heat	of			-2572		
	Venkita	transfer and	Nanoscie					
	raj,	pressure	nce and					
	K.P.,	drop						

	Hamee d, M.S., Saranga n, J.	characteristi cs of dilute water based Al2O3-Cu hybrid nanofluids	Nanotech nology					
131.	Chandr aprabu, V., Sankara narayan an, G., Iniyan, S., Suresh, S.	Heat transfer enhanceme nt characteristi cs of Al2O3/wate r and cuo/water nanofluids in a tube in tube condenser fitted with an air conditionin g system-an experiment al comparison	Journal of Thermal Science and Engineer ing Applicati ons	6	4		2014	
132.	Kumar, P.C.M., Kumar, J., Sendhil nathan, S., Tamilar asan, R., Suresh, S.	Heat transfer and pressure drop of Al2O3 nanofluid as coolant in shell and helically coiled tube heat exchanger	Bulgaria n Chemical Commun ications	46	4	743- 749	2014	
133.	Selvam, Swamin athan; Thiyaga	Experiment al studies on effect of bonding the	Thermal Science	18	4	1273- 1283	2014	

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	rajan,	twisted tape						
	PK;	with pins to						
	Suresh,	the inner						
	Sivan;	surface of						
		the circular						
104	17	tube	A 11 1	71	1	500	2014	
134.	Kumar,	An	Applied	71	1	508-	2014	
	Sujith;	experiment	thermal			518		
	Suresh,	al	engineeri					
	S;	investigatio	ng					
	Yang,	n on flow						
	Q;	boiling heat						
	Aneesh,	transfer						
	CR;	enhanceme						
		nt using						
		spray						
		pyrolysed						
		alumina						
		porous						
	~ 1	coatings			-			
135.	Subram	Microstruct	Internati	6	3	1948-	2014	
	anian, J	ure and	onal			1951		
	Siva;	Characteriz	Journal					
	Praveen	ation of	of					
	, AS;	Thermal	ChemTe					
	Saranga	sprayed Ni-	ch					
	n, J;	Cr/Al2O3	Research					
	Suresh,	coating						
	S;							
	Raghur							
	aman,							
	S;							
136.	Selvaku	Thermal	Journal	14	3	2325-	2014	
	mar, P;	performanc	of .			2333		
	Suresh,	e of	nanoscie					
	S;	ethylene	nce and					
		glycol	nanotech					
		based	nology					
		nanofluids						
		in an						
		electronic						
107		heat sink	T 1	1.4		05.50	2011	
137.	Suresh,	Turbulent	Journal	14	3	2563-	2014	
	S;	heat	of .			2572		
	Venkita	transfer and	nanoscie					

	raj, KP;	pressure	nce and					
	Hamee	drop	nanotech					
	d, M	characteristi	nology					
	Shahul;	cs of dilute						
	Saranga	water based						
	n, J;	Al2O3–Cu						
		hybrid						
		nanofluids						
138.	Domini	Heat	Journal	14	3	2368-	2014	
	c, A;	transfer	of			2376		
	Saranga	performanc	nanoscie					
	n, J;	e of	nce and					
	Suresh,	Al2O3/wate	nanotech					
	S; Sai,	r nanofluids	nology					
	Monica	in a mini						
	:	channel						
	,	heat sink						
139.	Jesumat	Microstruct	Journal	45	4	1298-	2014	
	hy, SP;	ure and	of the			1306		
	Udayak	characteriza	Taiwan					
	umar,	tion of	Institute					
	M;	thermal	of					
	Suresh,	sprayed Ni-	Chemical					
	S:	Cr/Al2O3	Engineer					
	Jegadhe	coating	s					
	eswaran	county	5					
	S:							
140.	, ~, Domini	An	Applied	592		1418-	2014	
	c. A:	experiment	Mechani			1422	-	
	Saranga	al study of	cs and					
	n I.	forced	Materials					
	Suresh	convective	materials					
	Sureshi,	fluid flow						
	Devah	in divergent						
	Dhanue	minichanne						
	b VS	le using						
	II, V.S,	nanofluide						
141	K	Performance	Applied	50	2	84.80	2014	
1+1.	Karuna	e analysis	Solar	50		0-1-07	2014	
	murthy	of an in	Energy					
	v nuruny,	nond boot	Linergy					
	N Muuru au	pond neat						
	wurugu	exchanger						
	monank	of a salt						
	umar, S	gradient						
	Suresh;	solar pond						

142	Kumar	Heat	Iournal	28	5	18/11	2014	
172.	DC	transfor	of	20	5	$10 + 1^{-1}$	2014	
	TC Multach	anhanaama	Maahani			104/		
	Nukesh	ennanceme						
	, V	iit allu	Cal					
	Kumar,	pressure	Science					
	J;	drop	and					
	Tamilar	analysis in	Technolo					
	asan, R;	a helically	gу					
	Nathan,	coiled tube						
	S	using Al 2						
	Sendhil	O 3/water						
	;	nanofluid						
	Suresh,							
	S;							
143.	Chandr	Heat	Journal	6	4		2014	
	aprabu,	transfer	of					
	V;	enhanceme	Thermal					
	Sankara	nt	Science					
	narayan	characteristi	and					
	an, G;	cs of	Engineer					
	Iniyan,	Al2O3/wate	ing					
	S:	r and	Applicati					
	Suresh,	CuO/water	ons					
	S:	nanofluids						
	~,	in a tube in						
		tube						
		condenser						
		fitted with						
		an air						
		conditionin						
		asystem						
		g system—						
		all						
		al						
		al						
144	Chandr	Dessive	Enorgy	71		12 50	2012	
144.	osokar	cooling of	Conversi	/1		45-50	2013	
	asekal,	coomig or	conversi					
	IVI, Surach	flot DV	On and Managa					
	Suicsii,	modulo	mont					
	S, Sonthil	with cotton	ment					
	kumor	with couoli						
	кинан, Т.	wick						
145	I, Vursar	Europeine and	Lours al	27	1	220	2012	
143.	Numar,	Experiment	Journal	21	1	239- 245	2013	
	ru	al	01			J	1	

	Mukesh	investigatio	Mechani					
	;	n on	cal					
	Kumar,	convective	Science					
	J;	heat	and					
	Suresh,	transfer and	Technolo					
	S;	friction	gy					
		factor in a						
		helically						
		coiled tube						
		with Al 2 O						
		3/water						
		nanofluid						
146.	Selvaraj	Computatio	Thermal	17	4	1125-	2013	
	,	nal fluid	Science			1137		
	Ponnus	dynamics						
	amy;	analysis on						
	Saranga	heat						
	n,	transfer and						
	Jaganna	friction						
	than;	factor						
	Suresh,	characteristi						
	Sivan;	cs of a						
		turbulent						
		flow for						
		internally						
		grooved						
		tubes						
147.	Selvam,	Experiment	Arabian	38	9	2557-	2013	
	S;	al studies	Journal			2568		
	Thiyaga	on wire	for					
	rajan,	coiled coil	Science					
	PR;	matrix	and					
	Suresh,	turbulators	Engineer					
	S;	with and	ing					
		without						
		centre core						
		rod						
148.	Raghur	Thermal	Journal	13	4	2842-	2013	
	aman,	performanc	of			2846		
	DRS;	e of higher	nanoscie					
	Nagaraj	aspect ratio	nce and					
	an, PK;	microchann	nanotech					
	Suresh,	els using	nology					
	S;	TiO2-water						
		nanofluids						

149.	Rathna	Comparison	Journal	2	4	274-	2013	
	kumar,	of Heat	of			282		
	Ρ;	Transfer	Nanoflui					
	Mayilsa	and Friction	ds					
	my, K;	Factor						
	Suresh,	Characterist						
	S;	ics of						
	Muruge	Carbon						
	san, P;	Nanotubes						
		Based						
		Nanofluids						
		in a						
		Circular						
		Tube Fitted						
		with						
		Helical						
		Screw						
		Inserts with						
		Spacers						
150.	Selvaku	Investigatio	Chemical	72		103-	2013	
	mar, P;	ns of effect	Engineer			112		
	Suresh,	of radial	ing and					
	S;	flow	Processin					
	Salyan,	impeller	g:					
	Srikant	type swirl	Process					
	h;	generator	Intensific					
	ŕ	fitted in an	ation					
		electronic						
		heat sink						
		and						
		Al2O3/wate						
		r nanofluid						
		on heat						
		transfer						
		enhanceme						
		nt						
151.	Chandr	Heat	Internati			210	2013	
	aprabu,	Transfer	onal					
	V;	Enhanceme	Journal					
	Sankara	nt	on					
	narayan	Performanc						
	an, G;	e of						
	Iniyan,	Al2O3/Wat						
	S;	er						
	Suresh,	Nanofluid						

	S; Siva,	in						
	V;	Condensing						
		Unit of Air						
		Conditioner						
		:						
		Experiment						
		al Study						
152	Chandr	Performanc	Journal	2	3	213-	2013	
102.	anrahu	e of	of	_	5	220	2010	
	V·	CuO/water	Nanoflui			220		
	v, Sankara	nanofluid	de					
	norovon		us					
	ilarayali	fluid in the						
	all, G;	tubo in tubo						
	iniyan,							
	S;	condensing						
	Suresh,	unit of air						
	5;	conditioner:						
		experiment						
	~	al Study				- 4 - 10		
153.	Suresh,	Effect of	Experim	38		54-60	2012	
	S;	Al2O3-	ental					
	Venkita	Cu/water	Thermal					
	raj, KP;	hybrid	and Fluid					
	Selvaku	nanofluid in	Science					
	mar, P;	heat						
	Chandr	transfer						
	asekar,							
	M;							
154.	Selvaku	Convective	Experim	40		57-63	2012	
	mar, P;	performanc	ental					
	Suresh,	e of	Thermal					
	S;	CuO/water	and Fluid					
		nanofluid in	Science					
		an						
		electronic						
		heat sink						
155.	Suresh,	А	Experim	39		37-44	2012	
	S;	comparison	ental					
	Venkita	of thermal	Thermal					
	raj, KP;	characteristi	and Fluid					
	Selvaku	cs of	Science					
	mar. P:	Al2O3/wate						
	Chandr	r and						
	asekar.	CuO/water						
	M:	nanofluids						

		in transition flow through a straight circular duct fitted with helical						
		screw tape						
156.	Chandr asekar, M; Suresh, S; Senthil kumar, T;	Mechanism s proposed through experiment al investigatio ns on thermophys ical properties and forced convective heat transfer characteristi cs of various nanofluids– A review	Renewab le and Sustaina ble Energy Reviews	16	6	3917- 3938	2012	
157.	Kannad asan, N; Ramana than, K; Suresh, S;	Comparison of heat transfer and pressure drop in horizontal and vertical helically coiled heat exchanger with CuO/water based nano fluids	Experim ental Thermal and Fluid Science	42		64-70	2012	
158.	Suresh, S; Selvaku	Experiment al studies on heat	Chemical Engineer ing and	53		24-30	2012	

	mar, P;	transfer and	Processin					
	Chandr	friction	g:					
	asekar,	factor	Process					
	M;	characteristi	Intensific					
	Raman,	cs of	ation					
	V	Al2O3/wate						
	Srinivas	r nanofluid						
	a;	under						
		turbulent						
		flow with						
		spiraled rod						
		inserts						
159.	Raja,	Experiment	Internati	7	1	16-23	2012	
	M;	al studies	onal					
	Arunac	on heat	Journal					
	halam,	transfer of	of					
	RM;	alumina/wa	Mechani					
	Suresh,	ter	cal and					
	S;	nanofluid in	Materials					
		a shell and	Engineer					
		tube heat	ing					
		exchanger						
		with wire						
		coil insert						
160.	Jesumat	Heat	Journal	26	3	959-	2012	
	hy,	transfer	of			965		
	Stella	characteristi	mechanic					
	Р;	cs in latent	al					
	Udayak	heat storage	science					
	umar,	system	and					
	M;	using	technolo					
	Suresh,	paraffin	gy					
	S;	wax						
161.	Mukesh	Heat	European	82		161-	2012	
	Kumar,	transfer and	Journal			172		
	PC;	friction	of					
	Kumar,	factor	Scientific					
	J;	studies in	Research					
	Suresh,	helically						
	S ;	coiled tube						
		using						
		Al2O3/wate						
		r Nanofluid						

162.	Suresh,	Experiment	Heat and	48	4	683-	2012	
	S;	al studies	Mass			694		
	Chandr	on heat	Transfer					
	asekar,	transfer and						
	М;	friction						
	Selvaku	factor						
	mar, P;	characteristi						
		cs of						
		CuO/water						
		nanofluid						
		under						
		laminar						
		flow in a						
		helically						
		dimpled						
		tube						
163.	Karuna	Use of CuO	Digest	7	4	1833-	2012	
	murthy,	nano-	Journal			1841		
	Κ;	material for	of					
	Murugu	the	Nanomat					
	mohank	improveme	erials					
	umar,	nt of	and					
	К;	thermal	Biostruct					
	Suresh,	conductivit	ures					
	S;	y and						
		performanc						
		e of low						
		temperature						
		energy						
		storage						
		system of						
		solar pond						
164.	Jesumat	Experiment	Heat and	48	6	965-	2012	
	hy,	al study of	Mass			978		
	Stella;	enhanced	Transfer					
	Udayak	heat						
	umar,	transfer by						
	М;	addition of						
	Suresh,	CuO						
	S;	nanoparticl						
		e						
165.	Muruge	Heat	Experim	25	1	30-47	2012	
	san, P;	transfer in a	ental					
	Mayilsa	tube fitted	Heat					
	my, K;	with	Transfer					
	Suresh.	vertical and						
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	S:	horizontal						
	,	wing-cut						
		twisted						
		tapes						
166.	Mariap	Thermodyn	Internati	2250		3005	2012	
	pan, V;	amic	onal					
	Udayak	analysis of	Journal					
	umar,	R134a-	Of					
	M;	DMAC	Computa					
	Shresth	vapor	tional					
	a,	absorption	Engineer					
	Pratisth	refrigeratio	ing					
	it Lal;	n (VAR)	Research					
	Suresh,	system	/ISSN					
	S;							
167.	Selvaku	Enhancing	2012			01-	2012	
	mar,	performanc	Internati			Apr		
	Ponnus	e of a	onal			_		
	amy;	radiator of	Conferen					
	Suresh,	electronic	ce on					
	Sivan;	cooling	Emergin					
	Udayak	system	g					
	umar,	using	Electroni					
	Ganesa	Carbon	cs					
	n;	Nanotube						
		based						
		nanofluids						
168.	Jesumat	Thermal	Internati	8	1	50-64	2012	
	hy,	characteristi	onal					
	Stella	cs in latent	journal					
	Р;	heat energy	of energy					
	Udayak	storage	technolo					
	umar,	system	gy and					
	М;	using	policy					
	Suresh,	paraffin						
	S;	wax						
169.	Suresh,	Experiment	Internati	5	1	37-55	2012	
	S;	al studies	onal					
	Chandr	on heat	Journal					
	asekar,	transfer and	of					
	M;	friction	Nanopart					
	Selvaku	factor	ıcles					
	mar, P;	characteristi						
		cs of						

	D	11000/						
	Page,	Al2O3/wate						
	Tom;	r nanofluid						
		under						
		laminar						
		flow with						
		spiralled						
		rod inserts						
170.	Selvam,	Experiment	Thermal	16	4	1151-	2012	
	Swamin	al studies	Science			1164		
	athan;	on effect of						
	Thiyaga	wire coiled						
	rajan,	coil matrix						
	Pr;	turbulators						
	Suresh,	with and						
	Sivan;	without						
		bonding on						
		the wall of						
		the test						
		section of						
		concentric						
		tube heat						
		exchanger						
171.	Suresh,	Experiment	Experim	35	3	542-	2011	
	S;	al studies	ental			549		
	Chandr	on heat	Thermal					
	asekar,	transfer and	and Fluid					
	М;	friction	Science					
	Sekhar,	factor						
	S	characteristi						
	Chandr	cs of						
	a;	CuO/water						
		nanofluid						
		under						
		turbulent						
		flow in a						
		helically						
		dimpled						
		tube						
172.	Muruge	Heat	Internati	38	3	329-	2011	
	san, P;	transfer and	onal			334		
	Mayilsa	pressure	Commun					
	my, K;	drop	ications					
	Suresh,	characteristi	in Heat					
	S;	cs in a	and Mass					
	Srinivas	circular	Transfer					

	an,	tube fitted						
	PSS;	with and						
		without V-						
		cut twisted						
		tape insert						
173.	Suresh,	Comparativ	Superlatt	49	6	608-	2011	
	S;	e study on	ices and			622		
	Venkita	thermal	Microstr					
	raj, KP;	performanc	uctures					
	Selvaku	e of helical						
	mar, P;	screw tape						
		inserts in						
		laminar						
		flow using						
		Al2O3/wate						
		r and						
		CuO/water						
174	<u> </u>	nanofluids	TT .			105	2011	
174.	Chandr	Experiment	Heat	32	6	485-	2011	
	asekar,	al studies	Transfer			496		
	IVI; Sumash	on neat	Engineer					
	Suresh,	friction	ing					
	$\mathbf{S},$	factor						
	Dose, A Chandr	characteristi						
		characteristi						
	а,	$\Lambda 12O3/wata$						
		r nanofluid						
		in a circular						
		nipe under						
		transition						
		flow with						
		wire coil						
		inserts						
175.	Muruge	Heat	Chemical	198	7	886-	2011	
	san, P;	transfer in	Engineer			904		
	Mayilsa	tubes fitted	ing					
	my, K;	with	Commun					
	Suresh,	trapezoidal-	ications					
	S;	cut and						
		plain						
		twisted tape						
		inserts						
176.	Chandr	Experiment	Experim	24	3	234-	2011	
	asekar,	s to explore	ental			256		

	М;	the	Heat					
	Suresh,	mechanism	Transfer					
	S;	s of heat						
		transfer in						
		nanocrystall						
		ine						
		alumina/wa						
		ter						
		nanofluid						
		under						
		lominor and						
		turbulant						
		flow						
		HOW						
177	24	conditions		~		550	2011	
1//.	Muruge	Heat	JJMIE	3	6	559-	2011	
	san, P;	transfer and				202		
	Mayilsa	friction						
	my, K;	factor in a						
	Sures,	tube						
	S;	equipped						
		with U-cut						
		twisted tape						
		insert						
178.	Suresh,	Synthesis,	Advance	328		1560-	2011	
	S;	Characteris	d			1567		
	Venkita	ation of	Materials					
	raj, KP;	Al ₂ O ₃ -Cu	Research					
	Selvaku	Nano						
	mar, P;	composite						
		powder and						
		water based						
		nanofluids						
179.	Chandr	Experiment	Experim	34	2	210-	2010	
	asekar.	al	ental			216		
	M;	investigatio	Thermal					
	Suresh.	ns and	and Fluid					
	S:	theoretical	Science					
	Bose, A	determinati						
	Chandr	on of						
	a:	thermal						
	,	conductivit						
		v and						
		viscosity of						
		$\Delta 1203/wate$						
		r nanofluid						

180.	Chandr asekar, M; Suresh, S; Bose, A Chandr a;	Experiment al studies on heat transfer and friction factor characteristi cs of Al2O3/wate r nanofluid in a circular pipe under laminar flow with wire coil inserts	Experim ental Thermal and Fluid Science	34	2	122- 130	2010	
181.	Muruge san, P; Mayilsa my, K; Suresh, S;	Turbulent heat transfer and pressure drop in tube fitted with square-cut twisted tape	Chinese Journal of Chemical Engineer ing	18	4	609- 617	2010	
182.	Muruge san, P; Mayilsa my, K; Suresh, S;	Heat transfer and friction factor studies in a circular tube fitted with twisted tape consisting of wire- nails	Chinese Journal of Chemical Engineer ing	18	6	1038- 1042	2010	
183.	Muruge san, Chandr asekar; Sivan, Suresh;	Limits for thermal conductivit y of nanofluids	Thermal science	14	1	65-71	2010	
184.	Chandr asekar, M;	A review on the mechanism	Heat Transfer	30	14	1136- 1150	2009	

	Suresh,	s of heat	Engineer					
	S;	transport in	ing					
		nanofluids						
185.	Sagayar	Experiment	Internati	16	5	534-	2009	
	aj, TA	al studies	onal			539		
	Daniel;	on the	Journal					
	Suresh,	erosion rate	of					
	S;	of different	Minerals,					
	Chandr	heat treated	Metallur					
	asekar,	carbon steel	gy and					
	M;	economiser	Materials					
	,	tubes of						
		power						
		boilers by						
		fly ash						
		particles						
186.	Chandr	Determinati	Chinese	26	12	12440	2009	
	asekar.	on of Heat	Physics			1		
	M:	Transport	Letters					
	Suresh,	Mechanism						
	S;	in Aqueous						
	,	Nanofluids						
		Using						
		Regime						
		Diagram						
187.	Sivasha	Experiment	Chemical	195	8	977-	2008	
	nmuga	al studies	Engineer			987		
	m, P;	on heat	ing					
	Nagaraj	transfer and	Commun					
	an, PK;	friction	ications					
	Suresh,	factor						
	SJCEC;	characteristi						
	,	cs of						
		turbulent						
		flow						
		through a						
		circular						
		tube fitted						
		with right						
		and left						
		helical						
		screw-tape						
		inserts						
188.	Sivasha	Experiment	Applied	27	8	1311-	2007	
	nmuga	al studies	Thermal			1319		

r								
	m, P;	on heat	Engineer					
	Suresh,	transfer and	ing					
	S;	friction						
		factor						
		characteristi						
		cs of						
		turbulent						
		flow						
		110W						
		through a						
		circular						
		tube fitted						
		with						
		regularly						
		spaced						
		helical						
		screw-tape						
		inserts						
189.	Sivasha	Experiment	Experim	31	4	301-	2007	
	nmuga	al studies	ental	_		308		
	m.P:	on heat	Thermal					
	Suresh	transfer and	and Fluid					
	Surcon, S.	friction	Science					
	5,	factor	Science					
		abaraatariati						
		characteristi						
		CS OI						
		laminar						
		flow						
		through a						
		circular						
		tube fitted						
		with						
		regularly						
		spaced						
		helical						
		screw-tape						
		inserts						
190.	Sivasha	Experiment	Applied	26	16	1990-	2006	
	nmuga	al studies	Thermal			1997	_	
	m. P:	on heat	Engineer					
	Suresh	transfer and	ing					
	Surcon,	friction						
	5,	factor						
		characteristi						
		characteristi						
		laminar		1			1	

	flow			
	through a			
	circular			
	tube fitted			
	with helical			
	screw-tape			
	inserts			

(B) <u>Conferences/Workshops/Symposia</u> Proceedings

S.No	Author(s)	Title of Abstract/ Paper	Title of the Procee dings	Page number s	Conference Theme	Venue	Year
1.	Dr. S. Suresh	Mathematical And Computational Modelling Of The Pulsed Vacuum Drying Characteristics Of Momordica Chanrantia			International Conference on Sustainable Materials and Technologies for Bio and Energy Applications	Chennai	2021
2.	Dr. S. Suresh	Pulsed Vacuum Drying Characteristics of Momordica Charantia Slices An Experimental Study			International conference on food technology agriculture and fisheries	Kerala	2021
3.	Dr. S. Suresh	Computational Modelling of the Heat Transfer Characteristics during the Pulsed Vacuum Drying of Momordica Chanrantia			International conference on mechanical aerospace and production engineering	Kerala	
4.	Dr. S. Suresh	Experimental Investigation on CNT-Enhanced Neopentyl glycol			International conference on innovations	NIT Rourkela	2020

		Solid–Solid PCM for Applications of Thermal Control in Spatial Remote Sensing Instruments	in thermo- fluid engineering and sciences		
5.	Dr. S. Suresh	Computational modelling and grid independence test of a CFD model furnace for NOx emission study	International conference on contemporary engineering and technology	Chennai	2020
6.	Dr. S. Suresh	Investigating the effect of CNT and Silane coating on condensation heat transfer characteristics	4th International Conference on Recent Trends in Engineering and Technology		2019
7.	Dr. S. Suresh	Vertically aligned silver (AG) nano wires for enhancing pool boiling heat transfer	4th International conference on nano- science and nanotechnolo gy		2017
8.	Dr. S. Suresh	Micro encapsulation of paraffin with alumina antiparticles for solar thermal energy storage application	Solaris	Brunel Universit y, United Kingdom	2017
9.	Dr. S. Suresh	Nano composite sugar alcohol as phase change material for thermal energy storage application	Solaris	Brunel Universit y, United Kingdom	2017

10.	Dr. S. Suresh	A comparison of the effect of aluminum and alumina nano particles on thermal stability of solid- solid phase change materials for thermal energy storage application	International Conference on Nano for Energy and Water (NEW) 2017	UPES, Dehradu n	2017
11.	Dr. S. Suresh	Nano-Thermal Interface material for efficient heat transfer in electronics packagings	International Conference on Nano for Energy and Water (NEW) 2017	UPES, Dehradu n	2017
12.	Dr. S. Suresh	Transient Flow Boiling Performance of Al2O3-Water Nano fluid In Parallel Micro channels	International Conference on Nano for Energy and Water (NEW) 2017	UPES, Dehradu n	2017
13.	Dr. S. Suresh	Graphene as an Effective Heat Dissipating Film over the Copper Surface	6 th International and 43rd National Conference on Fluid Mechanics and Fluid Power	MNNIT A, Allahaba d	2016
14.	Dr. S. Suresh	Thermo-chemical stability of nano composite myo- inositol for solar thermal energy storage	International conference on Recent Trends in Engineering and Technology (ICORTET 2016)	CUSAT, Cochin	2016
15.	Dr. S. Suresh	Effect of thermal cycling on Myo-	1st international	VIT, Vellore	2016

		inositol for solar thermal energy storage			conference on nano- science and nanotechnolo gy		
16.	Dr. S. Suresh	Hybrid nano-fluid as a practical option for 3- dimensional electronic cooling system			EMN Meeting on Microfluidics and Nanofluidic	Dubai, UAE	2016
17.	Arulpraka sajothi, M., Elangovan , K., HemaCha ndra Reddy, K., Suresh, S.	Heat Transfer Study of Water-based Nanofluids Containing Titanium Oxide Nanoparticles	Material s Today: Proceed ings	3648- 3655			2015
18.	Dr. S. Suresh	Experimental investigation of PCM-based heat sink with different configurations of internal fins			International Conference on Advances research in Mechanical and Aeronautical and Civil (IISRO 2013)	Pattaya, Thailand	2013
19.	Dr. S. Suresh	Thermodynamic analysis of R134A DMAC/Al2O3 Vapour Absorption Refrigeration (VAR) system			International Conference on Advances research in Mechanical and Aeronautical and Civil (IISRO 2013)	Pattaya, Thailand	2013
20.	Dr. S. Suresh	Heat Transfer Enhancement using nano-fluid in a serpentine passage			International Conference on Advances research in Mechanical	Pattaya, Thailand	2013

					and Aeronautical and Civil (IISRO 2013)		
21.	Dr. S. Suresh	Effect of CuO/water nano- fluid in the enhancement of convective heat transfer for electronics cooling			TechConnect WORLD	Santa Clara, USA	2012
22.	Dr. S. Suresh	Experimental investigation of thermo physical properties of synthetic oil based Nano-fluids			TechConnect WORLD	Santa Clara, USA	2012
23.	Dr. S. Suresh	Experimental investigation on thermo physical properties of AL2O3/DMAC nano-fluid			TechConnect WORLD	Santa Clara, USA	2012
24.	Suresh, S., Selvakum ar, P., Bharath, R.	Experimental investigation of thermo physical properties of synthetic oil based nanofluids	Techni cal Procee dings of the 2012 NSTI Nanote chnolo gy Confer ence and Expo, NSTI- Nanote ch 2012	583- 586			2012

25.	Selvakum ar, P., Suresh, S.	Effect of CuO/water nanofluid in the enhancement of convective heat transfer for electronic cooling	Techni cal Procee dings of the 2012 NSTI Nanote chnolo gy Confer ence and Expo, NSTI- Nanote ch 2012	133- 136		2012
26.	Venkatach alapathy, S., Suresh, S., Selvakum ar, P., Vijay, G.	Laminar convective heat transfer of Al 2O 3/thermic oil nanofluid in a plain tube	Techni cal Procee dings of the 2012 NSTI Nanote chnolo gy Confer ence and Expo, NSTI- Nanote ch 2012	579- 582		2012
27.	Mariappan , V., Udayakum ar, M., Suresh, S., Anand, R.B.,	Experimental investigations on thermo physical properties of Al 2O 3/DMAC nanofluid	Techni cal Procee dings of the 2012 NSTI	587- 590		2012

31.	Dr. S. Suresh Dr. S. Suresh	characterisation of CuO and CuO/water nano- fluid for heat transfer application Microwave assisted synthesis of Al2O3 nanoparticle by chemical precipitation method		Conference on Mechatronics and Material Processing (ICMMP 2011) Nano- materials and Nanotechnol ogy (NANO 2010)	China Tiruchen godu, Tamil Nadu	2011 2010
· · · · ·	Dr. S. Suresh	characterisation of CuO and CuO/water nano- fluid for heat transfer application		Conference on Mechatronics and Material Processing (ICMMP 2011)	China	2011
30.		Synthesis,		International		
29.	Dr. S. Suresh	Synthesis, characterisation of Al2O3 Cu nano composite powder and water based Nano-fluids		International Conference on Mechatronics and Material Processing (ICMMP 2011)	China	2011
28.	Dr. S. Suresh	Laminar convective heat transfer of Al2O3/thermic oil nano-fluid in a plain tube		TechConnect WORLD	Santa Clara, USA	2012
	Shafeeq, K.P.		Nanote chnolo gy Confer ence and Expo, NSTI- Nanote ch 2012			

		characteristics of Al2O3/water nano-fluid under laminar flow		ogy (NANO 2010)	Tamil Nadu	
33.	Dr. S. Suresh	Temperature dependent models to predict the viscosity of Al2O3-water and CuO water nano- fluid		Nano- materials and Nanotechnol ogy (NANO 2010)	Tiruchen godu, Tamil Nadu	2010

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of	Year of	ISSN/ISBN
		Publishers	Publication	Number
Anurag	Identifying Optimal	Springer	2022	978-3-030-
Pramanik, Harjit	Nanofluid Synthesis			76221-6
Singh, S.	Conditions for			
Suresh, Ram	Applications in Solar			
Chandra & Virendra	Thermal Concentrators:			
Kumar Vijay	Sustainable Energy			
	Innovation on 122, 127			
	milovation pp 123–127			
M Chandrasekar,	First Law Analysis on	Encyclopedia of	2021	978-0-12-
Cyril Reuben Raj,	PCM Based Latent Heat			819730-1
and S Suresh	Thermal Energy Storage	Energy Storage		
	System			
			2020	0.50.001.1.5
K. P. Venkitaraj, S.	DSC Analysis of Nano-	Springer	2020	978-981-15-
Dihin & Lico	ennanced Monobasic and			1892-8
Abraham	Change Materials for			
Abraham	Thermal Storage			
	Thorman Storage			

S.Suresh and	Solar Thermal Energy	Springer	2018	978-981-10-
Srikanth Salyan	Storage Using Graphene			7206-2
	Nanoplatelets-Added			
	Phase Change Materials:			
	Application of Solar			
	Energy			