

National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

Curriculum Vitae



Brief Profile:

I Joined as a Lecturer with M.E. qualification in the Department of Mechanical Engineering, National Institute of Technology, Tiruchirappalli-15 on 10.04.2006 and later re-designated as Assistant Professor. I have completed 10 years and 7 months of experience at NITT as on November 30, 2016. In addition, I have 3 years of teaching service after my PG degree before joining NIT, Trichy and hence my total year of teaching experience is 13 years and 7 months. I have done my PhD research in the field of vapour absorption refrigeration and completed the same on July 2015 at National Institute of Technology, Tiruchirappalli-15.

I have been involved in many social service activities for about 9 years as a capacity of NSS Programme officer as well as NSS Coordinator. I also involved in hostel administration with the capacity of Warden since 2013. Faculty adviser for the Mechanical Engineering Association (MEA) for the year 2016-2017 and Coordination of MoU signing between NITT and BARC for the installation of Bio-Gas plant in NITT are my recent activities. I am a dedicated person with a family members of five including my parents. I have been successful at raising my family, and I attribute this success to my eldest brother Shri (late) V. Balamurugan's support and guidance who recently passed away in a road accident and my courage to handle many different tasks at once, kindness and flexible with people. This flexibility will help me in the classroom, where there are many different personalities and learning styles.

1.	Name	Dr. V. Mariappan
2.	Designation:	Assistant Professor
3.	Office Address:	Department of Mechanical Engineering, National Institute of Technology, Tiruchirappalli-15
4.	Telephone (Direct) (Optional): Mobile (Optional):	0431-250-4420 9894471094, 9489066250
5.	Email (Primary): vmari@nitt.edu	Email (Secondary) : vmari1975@gmail.com
6.	Field(s) of Specialization:	Refrigeration and Air-Conditioning, Thermodynamics and Thermal energy storage

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7. Employment Profile

Job Title	Employer	From	To
Lecturer	Bharath Institute of higher education & Research, Chennai	August 2003	April 2006
Assistant Professor	National Institute of Technology, Tiruchirappalli	Since April 2006	

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

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D.	National Institute of Technology, Tiruchirappalli	2015		Vapour Absorption Refrigeration
M.E.	Coimbatore Institute of Technology, Coimbatore, Bharathiar University	2003	1 st Class	Refrigeration and Air-Conditioning (Mechanical)
B.E.	Government College of Engineering, Tirunelveli, Manonmaniam Sundaranar University	1996	1 st Class	Mechanical Engineering

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
NSS Programme officer	National Institute of Technology, Tiruchirappalli	August 2006	March 2016
NSS Coordinator	National Institute of Technology, Tiruchirappalli	Since March 2016	
Warden	National Institute of Technology, Tiruchirappalli, Hostels	Since July 2013	
Refrigeration and Air Conditioning lab in-charge	Department of Mechanical Engineering, National Institute of Technology, Tiruchirappalli	Since April 2007	

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
Doctoral committee member	IIITDM, Kanchipuram	June 2016	

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11. Awards, Associateships etc.: NIL

12. Fellowships: NIL

13. Details of Academic Work

(i) Curriculum Development

Curriculum for the Design and optimization of Thermal Energy Systems has been developed and it is offered to M.Tech. Thermal Power Engineering students.

(ii) Courses taught at Postgraduate and Undergraduate levels

Sl.No	Period	Subject Name	Class
1.	2003-04/ I	Gas Dynamics and Jet Propulsion	M.Tech./I year
2.	2003-04/ I	Engineering Graphics	B.Tech./I year
3.	2003-04/ I	Engineering Thermodynamics	B.Tech./III Sem/Mech.
4.	2003-04/ II	Engineering Mechanics	B.Tech./I year
5.	2003-04/ II	Mechanics of Machines	B.Tech./IV Sem/Mech.
6.	2004-05/ I	Basic Mechanical Engineering	B.Tech./I year
7.	2004-05/ I	Thermal Engineering lab	B.Tech./V Sem/Mech.
8.	2004-05/ II	Engineering Metallurgy	B.Tech./IV Sem/Mech.
9.	2004-05/ II	Basic Engineering Workshop	B.Tech./I year
10.	2005-06/ I	Engineering Thermodynamics	B.Tech./III Sem/Mech.
11.	2005-06/ I	Engineering Graphics	B.Tech./I year
12.	2005-06/ II	Engineering Mechanics	B.Tech./I year
13.	2005-06/ II	Basic Engineering Workshop	B.Tech./I year
14.	2006-07/ I	BME502-Compressible flow and jet propulsion	B.Tech./V Sem/Mech.
15.	2006-07/ I	Basic Mechanical Engineering	B.Tech./I Sem/ECE
16.	2006-07/ II	ME202- Thermal Engineering	B.Tech./IV Sem/Mech.
17.	2006-07/ II	ME208: Thermal Engineering Lab I	B.Tech./IV Sem/Mech.
18.	2007-08/II	Advanced Refrigeration and Air-Conditioning	M.Tech./II Sem/TPE
19.	2007-08/II	ME102-Engineering Mechanics	B.Tech./IISem
20.	2008-09/I	ME101-Engineering Mechanics	B.Tech./ISem
21.	2008-09/I	Engineering Thermodynamics	B.Tech./IIISem/Mech.
22.	2008-09/II	Advanced Refrigeration and Air-Conditioning	M.Tech./II Sem/TPE
23.	2009-10/I	CE283 Thermodynamics	B.Tech./IIISem/ICE

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24.	2009-10/I	Thermal Engineering	B.Tech./V Sem/Prod.
25.	2009-10/II	BEII102 Basics of Mechanical Engineering	B.Tech./IISem/ICE
26.	2009-10/II	Project work	B.Tech./VIII Sem/Mech.
27.	2009-10/II	Advanced Refrigeration and Air-Conditioning	M.Tech./II Sem/TPE
28.	2010-11/I	Engineering Thermodynamics	B.Tech./IIISem/Mech.
29.	2010-11/I	Project Work – Phase -I	M.Tech./III Sem/TPE
30.	2010-11/II	Basic Mechanical Engineering	B.Tech./II Sem/ECE
31.	2010-11/II	Advanced Refrigeration and Air-Conditioning	M.Tech./II Sem/TPE
32.	2011-12/I	Thermal Engineering lab	B.Tech./V Sem/Prod.
33.	2011-12/I	Thermal Engineering	B.Tech./III Sem/EEE
34.	2011-12/II	Branch Specific Course	B.Tech./II Sem/Mech.
35.	2011-12/II	Advanced Refrigeration and Air-Conditioning	M.Tech./II Sem/TPE
36.	2012-13/I	Design and Optimization of Thermal Energy systems	M.Tech./I Sem/TPE
37.	2012-13/I	Thermal Engineering lab	B.Tech./V Sem/Prod.
38.	2013-14/I	Engineering Thermodynamics	B.Tech./IIISem/Mech.
39.	2013-14/II	Design and Optimization of Thermal Energy systems	M.Tech./II Sem/TPE
40.	2013-14/II	Thermal Engineering lab	B.Tech./IV Sem/Mech.
41.	2014-15/I	Engineering Thermodynamics	B.Tech./IIISem/Mech.
42.	2014-15/I	Project coordinator – phase I	M.Tech./III Sem/TPE
43.	2015-2016	Engineering Thermodynamics	B.Tech./III Sem/Mech
44.	2015-2016	Thermodynamics and Mechanics of fluids	B.Tech./III Sem/EEE
45.	2015-2016	Design and Optimization of Thermal Energy systems	M.Tech./ISem/TPE

(iii) Projects guided at Postgraduate level

Sl.No	Period	Degree	Student name	Project Title
1.	2003-2004	M.E/TPE	K. Karthikeyan	Energy conservation study in sugar mills.
2.	2003-2004	M.E/TPE	G. Hariharan	Residual life assessment and strategies to improve the efficiency of the power plant.
3.	2003-2004	M.E/TPE	B. V. Narashima Reddy	Reduction of auxiliary consumption in coal fired thermal power station.
4.	2006-2007 Odd	M.Tech/ISE	A. R. Soman	Statistical modeling of an accident and risk assessment.
5.	2006-2007 Odd	M.Tech/Energy Engg.	M. Koushik	Performance analysis of solar vapour absorption refrigeration system.
6.	2006-2007 Even	M.Tech/Energy Engg.	M. Koushik	Hybrid system for Solar cooling.
7.	2009-2010	M.Tech/TPE	Prashant K.	Design of Rectification column in GAX

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	Odd		Harode	Vapour absorption refrigeration system.
8.	2009-2010 Odd	M.Tech/TPE	James Mathew	Design of Absorbers in GAX Vapour absorption refrigeration system.
9.	2009-2010 Even	M.Tech/TPE	Prashant.K. Harode	Investigations of Rectification column in GAX Vapour absorption refrigeration system.
10.	2009-2010 Even	M.Tech/TPE	James Mathew	Investigations of Absorbers in GAX Vapour absorption refrigeration system.
11.	2011-2012 Odd	M.Tech/TPE	K. P. Shafeeq	Experimental investigations on desorption characteristics of nano fluid based Vapour absorption refrigeration system.
12.	2011-2012 Odd	M.Tech/TPE	A.S. Midhun	Experimental investigations on absorption characteristics of nano fluid based Vapour absorption refrigeration system.
13.	2011-2012 Even	M.Tech/TPE	K. P. Shafeeq	Experimental study of a plate type bubble absorber for absorption refrigeration machine.
14.	2011-2012 Even	M.Tech/TPE	A.S. Midhun	Experimental investigations on heat transfer enhancement and pressure drop analysis using Al ₂ O ₃ /DMAC nano fluid.
15.	2011-2012 Even	M.Tech/TPE	Pratisthit lal sherestha	Experimental investigations & Thermoeconomic optimization of absorption refrigeration with air cooled absorber.
16.	2012-2013 Odd	M.Tech/TPE	Ajay Kumar Sharma	Thermoeconomic optimization of R134a-Al ₂ O ₃ /DMAC nano fluid vapour absorption refrigeration system.
17.	2012-2013 Odd	M.Tech/ISE	Rejoy Varghese	Industrial noise mapping and analysis of a stainless steel tube plant.
18.	2013-2014 Even	M.Tech/TPE	Ankur Garg	Dynamic simulation for transient performance of R134a/DMAC vapour absorption refrigeration system using MATLAB-Simulink
19.	2013-2014 Even	M.Tech/TPE	Sah Md Fahim Anwar	Thermodynamic analysis absorption cooling system with R134a-Al ₂ O ₃ /DMAC as refrigerant and absorbent pair.
20.	2015-2016 Odd	M.Tech/TPE	Anto Tom George	Investigation on different types of evaporative cooling Techniques
21.	2015-2016 Odd	M.Tech/TPE	Deepak Arora	PCM Based thermal storage for vapour absorption refrigeration system

(iv) Other contribution(s)

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Sl. No.	Post Held	Function	Duration
1.	Faculty adviser	Faculty adviser for III, V, VII semesters	2006-07/Odd
2.	Faculty adviser	Faculty adviser for IV, VI, VIII semesters	2006-07/Even
3.	Class committee chairman	Class committee for VII Semester Mechanical	2006-2007
4.	Class committee chairman	Class committee for VIII Semester Mechanical	2006-2007
5.	Committee member	Institute day-2007, Chief guest and press (transport Management)	20.04.2007
6.	Committee member	Alumni day-2007, Volunteers and Audience Management	28.04.2007
7.	Committee member	Employees Service Register correction	29.02.2008
8.	Committee member	Institute day-2008, Chief guest and press (transport Management)	10.04.2008
9.	Committee member	Alumni day-2008, Volunteers and Audience Management	03.05.2008
10.	Committee member	NBA accreditation	24.07.2008
11.	Class committee chairman	Class committee for IV Semester Mechanical	2008-2009
12.	Stock verification Officer	Hostel materials and furniture verification	05.01.2009
13.	Application scrutiny committee	M.Tech Common counselling	18.05.2010
14.	Committee member	Registration of graduands for convocation	30.09.2010
15.	Coordinator	Industrial Visits to OFT, Trichy, AN, Students strength – 32	23.03.2011
16.	Internal Examiner	Internal Examiner for UG final year project	26.04.2011
17.	Course Coordinator	Basic Mechanical Engineering	2010-11/ Even
18.	Class committee chairman	Class committee for II Semester Industrial safety Engg. Mechanical	2010-11/ Even
19.	Member	Member to take the first-year students for visiting institute facilities	2011-2012/odd
20.	In-charge	Purchase of equipment and strengthening of lab	2011-2012/odd
21.	Class committee chairman	Class committee for I Semester Thermal Power Engg. Mechanical	2011-2012/odd
22.	Committee member	Officials committee for All India Inter-NIT Sports meet' 12	2011-2012/Even
23.	Committee member	All India inter NIT Sports invitation and announcer committee	09.01.13
24.	Stock verification Officer	Stock verification in chemistry Department	17.06.2013
25.	Committee member	Implementation committee for kakodkar recommendations	Since 27.11.2013
26.	Committee member	Selection process of Ph.D., M.S. scholar – January 2013	10.12.2013

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27.	Returning officer	Election process of student's president	29.04.2014
28.	Committee member	NBA accreditation for B.Tech Mechanical	15.05.2014
29.	Committee member	Organizing committee to distribute certificates and memento in IMEC – 2014 organized by Dept. of Mech. Engg. NITT	13-15.06.2014
30.	Class committee chairman	V semester Mechanical	Odd sem. 2016

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Performance investigations of generator absorber heat exchange (GAX) ammonia-water vapour absorption refrigeration (VAR) system with plate heat exchangers (Value: Rs. 34,65,600)	MHRD	2014	2017	Ongoing
Design and development of solar photo-voltaic powered cold storage system (Value: Rs. 1,22,63,520)	DST-IPHEE	2016	2019	Ongoing
BARC- DAE Technologies Display and Dissemination Facility (DTDDF) – installation and research (Value: Rs. 42,20,000)	BARC	2016	2021	Ongoing

15. Number of PhDs guided: ongoing – 2 PhD Scholars

Name of the PhD Scholar	Title of PhD Thesis	Role (Supervisor/ Co-Supervisor)	Year of Award

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

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
11.11.2006	Industrial visit to TVS Rubber & Srichakra-	National	Participant	CII, National Institute of Technology Tiruchirappalli	Madurai
20.12.06 to	Visiting Laboratories of	National	Participant	Indian Institute of Technology,	I.I.T Delhi

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21.12.2006	centre for energy Studies			Delhi	
9.02.2007 to 14 .02.2007	Short term Training Program on Recent trends in IC engine testing and Analysis	National	Participant	National Institute of Technology Tiruchirappalli	Tiruchirappalli
15.02.2007	Industrial visit to M/s Nokia & grondfoss pumps, Chennai	National	Participant	CII, National Institute of Technology Tiruchirappalli	Tiruchirappalli
05.03.2007 to 09.03.2007	Short term Training Program on Computer hardware & networking Technologies	National	Participant	AICTE-ISTE/National Institute of Technical Teachers training & research, Chennai.	Chennai.
12, 13.04.2007	International workshop on manufacturing technology-Realms Ahead	Inter national	Participant	B.H.E.L. Tiruchirappalli	Tiruchirappalli
07.05.2007 to 11.05.2007	Short term Training Program on Computational Fluid Dynamics and its applications (Gambit and Fluent packages)	National	Participant	National Institute of Technology Rourkela.	Rourkela.
04.07.2007 to 13.07.2007	Faculty development program on ANSYS	National	Participant	National Institute of Technology Tiruchirappalli	Tiruchirappalli
10.12.2007 to 14.12.2007	Energy conservation measures for manufacturing and Process Industries	National	Participant	QIP/National Institute of Technology Tiruchirappalli	Tiruchirappalli
05.02.2008	Visiting INTEC exhibition, Coimbatore	National	Participant	National Institute of Technology	Tiruchirappalli

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				Tiruchirappalli	
07.07.2008 to 12.07.2008	Instructional design and delivery	National	Participant	National Institute of Technical Teachers training & research, Chennai.	Chennai.
16.08.2008 to 22.08.2008	Development in Air-Conditioning and Ventilation	National	Participant	Indian Institute of Technology Madras	Chennai.
20.11.2008	Awareness programme on intellectual properly right	National	Participant	National Institute of Technology Tiruchirappalli	Tiruchirappalli
21,22.05.2009	MATLAB and its Applications	National	Participant	National Institute of Technical Teachers training & research, Chennai.	Chennai.
13.07.2009 to 18.07.2009	Air delivery systems and indoor air quality: An engineering perspective	National	Participant	Indian Institute of Technology Madras	Chennai.
29.12.2009 to 31.12.2009	Recent trends in flow visualization	National	Participant	Indian Institute of Technology Roorkee	Roorkee
14.06.2011 to 24.06. 2011	2-WEEK ISTE WORKSHOP on Thermodynamics in Mechanical Engineering	National	Participant	MHRD/ISTE-IITB through ICT at NITT	Tiruchirappalli
10.07.2011 to 16.07.2011	Advanced flow measurements and visualization techniques	International	Participant	AICTE/National Institute of Technology, Calicut	Calicut
12.09.2011 to 16.09.2011	5-day Coordinators' workshop for 'Heat Transfer'	National	Participant (Training for workshop coordinator)	MHRD/ISTE-IITB	Mumbai
12.12.2011	Solar	National	Participant	MHRD/ISTE-	Tiruchirappalli

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to 22.12.2011	Photovoltaics: Fundamentals, Technologies and Applications			IITB through ICT at NITT	
23.03.2012 to 24.03.2012	Advanced Topics on Modelling of Turbulent Flows	National	Participant	Indian Institute of Technology Madras, Chennai	Chennai
10.11.2012 to 11.11.2012	Aakash for Education	National	Participant	MHRD/ISTE- IITB through ICT at NITT	Tiruchirappalli
20.11.2012 to 24.11.2012	Coordinators' workshop for Engineering Thermodynamics	National	Participant (Training for workshop coordinator)	MHRD/ISTE- IITB	Mumbai
09.05.2013 to 10.05.2013	Perspective on curriculum	National		National Institute of Technology Tiruchirappalli	Tiruchirappalli
06.06.2013 to 08.06.2013	Applications of Finite Element Methods in Academic and Industrial Research	National	Participant	TEQIP/ National Institute of Technology Tiruchirappalli	Tiruchirappalli
12.06.2013 to 14.06.2013	Automotive fuels and emission	National	Participant	TEQIP/ National Institute of Technology Tiruchirappalli	Tiruchirappalli
26.11.2013 to 06.12.2013	ISTE workshop on Engineering Mechanics	National	Participant	MHRD/ISTE- IITB through ICT at NITT	Tiruchirappalli
02.06.2014 to 11.06.2014	International workshop on Practical Training in Energy Efficiency	National	Participant	Organized by Asian Productivity Organization and implemented by NPC, Indian at APC, Chennai	Chennai

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

Title of Activity	Level of Event	Date (s)	Role	Venue
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	(International/ National/ Local)			
ISTE workshop on Heat Transfer	National	29.11.2011 to 10.12.2011	Workshop Coordinator	MHRD/ISTE-IITB through ICT at NITT
ISTE workshop on Engineering Thermodynamics	National	11.12.2012 to 21.12.2012	Workshop Coordinator	MHRD/ISTE-IITB through ICT at NITT
Workshop on Applications of Nanotechnology in Mechanical Engineering	National	18.12.2013 to 21.12.2013	Workshop Coordinator	TEQIP/ National Institute of Technology Tiruchirappalli
Faculty development Program on Recent Trends in renewable energy Technologies	National	26.09.2014 to 27.09.2014	Workshop Coordinator	Under self finance category/ National Institute of Technology Tiruchirappalli

18. Invited Talks delivered

Topic	Date	Inviting Organization
Practical IC engine testing in the short term course on Recent trends in IC Engines testing and analysis	09.02.2007 to 14.02.2007	National Institute of Technology Tiruchirappalli
MATLAB applications for solving heat transfer problems in the short term course on Quantitative research techniques for engineers and researches	24.12.2009	National Institute of Technology Tiruchirappalli
Genetic Algorithm using MATLAB in Two days workshop in Recent methods and tools for researches	12.03.2011	Jayaram college of Engineering, Trichy
Vapour absorption refrigeration in Two Day Faculty Development Programme on Thermal Engineering	22.03. 2011	Bharath Niketan Engineering College, Aundipatty, Theni-district
Two days faculty development program jointly organized by Civil, ECE and Mechanical Departments.	27.01.2012	Annai College of Engineering and Technology, Kumbakonam, Tamilnadu
Fascinating trends in Thermal Engineering	Feb 2012	R.V.S. Engineering college , Dindigul, Tamilnadu
Session chair in Technical Symposium-OXCEM 2012	17.02.2012	OXFORD Engineering college, Trichy
Guest lecture on Thermodynamic analysis of	21.08.2013	KIT & KIM Technical

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refrigeration system		Campus, Karaikudi
Guest lecture on solar energy in refrigeration system	25.09.2013	Shree Venkateshwara Hi-Tech Engineering College, Mettupalayam
Session chair in International Mechanical Engineering Congress – 2014	13-15.06.2014	Dept. of Mechanical Engineering National Institute of Technology Tiruchirappalli

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Faculty member in ISHRAE	Indian Society of Heating Refrigerating and Air Conditioning Engineers	Life time member since 2007

20. Academic Foreign Visits

Country	Duration of Visit	Programme
Dubai, UAE	April 05-08, 2016	EMN meeting on Microfluidics and Nanofluidics
Bangkok, Thailand	June 29-30, 2013	International Conference on Mechanics and Fluid Engineering (ICMFE-2013)
Santa Clara, California, U.S.A.	June 18-21, 2012	Tech Connect World
Guangzhou University, China	18-20, November 2011	International Conference on Mechatronics and Materials Processing (ICMMP2011)

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
Mariappan, Udayakumar, Anwar	Thermoeconomic analysis of R134a-DMAC vapour absorption refrigeration system.	Int. J. Appl. Mech. and Mater.		1837-1841	2014	
Kathiravan, Karthikeyan, Mariappan, Muthiah	Thermodynamic analysis of heat and mass transfer system enhancement for	Int. J. Appl. Mech. and Mater.		592-594	2014	

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	R134a-DMAC/CNT vapour absorption refrigeration					
Mariappan, Shrestha, Udayakumar, Suresh	Thermodynamic analysis of R134a – DMAC Vapor Absorption Refrigeration (VAR) system	Int. J. Comput. Eng. Res.,	2	086-096	2012	
Mariappan, Anand, Udayakumar	A simplified design procedure of R134a-DMAC plate type bubble absorber for vapour absorption refrigeration system	IEEE	1	81-87	2010	
Mariappan	Improvement of refrigeration/ air-conditioning performance with mechanical sub cooling	BIHER Journal of Mechanical Engineering		112-119	2005	

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Parthiban, Mariappan Arun, Saravankumar	Thermodynamic performance comparison of R134a based vapour absorption refrigeration systems	EMN meeting on Microfluidics and Nanofludics		EMN meeting on Microfluidics and Nanofludics	Dubai, UAE	2016
Mariappan, Udayakumar, Shaligram Tiwari, Maiya	Heat and mass transfer characteristics of bubble absorption in generator-	22nd national and 11th international ISHMT-ASME			IIT Kharagpur, India	2013

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	absorber heat exchange (GAX) system for ammonia-water pair	Conference,				
Mariappan, Udayakumar, Suresh, Anand, Kulkarni shrikant chandrakant	Thermodynamic analysis of R134a – DMAC/ Al ₂ O ₃ Vapor Absorption Refrigeration (VAR) system	International Conference on Mechanics and Fluid Engineering			Bangkok, Thailand	2013
Mariappan, Udayakumar, Suresh, Anand, K.P. Shafeeq,	Experimental investigations on thermo physical properties of AL ₂ O ₃ /DMAC nanofluid	Tech Connect World			Santa Clara, California, U.S.A	2012
Mariappan, Udayakumar, Selvakumar	Synthesis and characterization of CuO and CuO/water nanofluid for heat transfer applications	International Conference on Mechatronics and Materials Processing			Guangzhou University, China	2011
Mariappan, Udayakumar, Shaligram Tiwari, Maiya	Analysis on water ammonia GAX vapour absorption Refrigeration system	National Conference on Refrigeration and Air Conditioning			Indian Institute of Technology Madras, Chennai	2009
Mariappan	Performance and emission characteristics of pongamia oil as an alternative fuel for diesel engine	INCMER			Bharath Institute of Higher Education and Research, chennai-73	2005

(B) Books & Monographs: NIL

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number
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