

## CURRICULUM VITAE

1. Name : **Dr. D. CHANDRA MOHAN**
2. Name of the Father : **Thiru. N.DEVARAJAN**
3. Address for Communication : **Old No:1/32,New No:1/15,  
2<sup>nd</sup> Cross Street Veeramani Nagar,  
Nanmangalam,  
Kovilampakkam Post,Chennai-600117**
- Mobile : +91-9994116596  
e-mail : mail\_2\_cm@yahoo.com ; sarancm23@gmail.com

## QUALIFICATIONS

Degree	Subject/Discipline	University	Institution	Class	Year of passing
Ph.D	Mechanical Engineering	Anna University	Coimbatore Institute of Technology,Coimbatore	First Class	2013
M.E	Computer Aided Design	Anna University	Alagappa Chettiar College of Engineering and Technology,Karaikudi	First Class With Distinction	2008
M.Tech	Machine Design	Bharath University,Chennai	Bharath University,Chennai	First Class	2005
B.E	Mechanical Engineering	University of Madras	Pallavan College of Engineering,Kanchipuram	First Class	2003

## PROFESSIONAL EXPERIENCE

Name of the Employer	Post held	Period of Employment	
		From	To
St. Peter's Institute of Higher Education and Research, Chennai, Tamil Nadu, India	Professor	2018	Till date
Hindustan Institute of Technology and Science Chennai, Tamil Nadu, India	Associate Professor	2016	2018
Vel Tech, Avadi, Chennai, Tamil Nadu, India	Associate Professor	2012	2016
Adhiyamaan College of Engineering (Autonomous) Hosur, Tamil Nadu, India	Assistant Professor	2008	2012
Thiruvalluvar college of Engineering and Technology, Vandavasi, Tamil Nadu, India	Lecture	2005	2006

# RESEARCH, ACADEMIC AND ADMINISTRATIVE CONTRIBUTIONS

RESEARCH, TEACHING AND ADMINISTRATIVE CONTRIBUTIONS				
S.No	PARTICULARS			Total
1.	Patents Granted			03
2.	Research projects			02
3.	Research Papers Published in Refereed Journals [SCI/SCOPUS]			34
4.	Books Published			02
5.	Research Papers Published in Conference Proceedings			18
6.	Conference/Seminar/Workshop - Organized			05
7.	Short Term Courses /Conferences/Seminars/Workshops - Participated			35
8.	Membership of Professional Bodies			06
9.	Awards Received			05
10.	Research Quality [SCOPUS]: h-index : 20 i10-index: 22			
RECOGNIZED RESEARCH SUPERVISOR ANNA UNIVERSITY		S.No	Old Ref No	New Ref No
		85	23.02.56	2320057

Institution employed	ADMINISTRATIVE EXPERIENCE (DEPARTMENT & INSTITUTIONAL LEVEL)
Vel Tech, Avadi, Chennai	<b>Chairman and Convener for ISO, NBA, NAAC – Internal and External auditing committees.</b>
	Reviews with Q.M.R. the process in terms of the assignments of last meeting, documentation prepared by each member, rectification of non-conformities, achievements of quality objectives.
	<b>Head of Students innovation cell</b>
	<ul style="list-style-type: none"> <li>I decide the meaningful project work of the students in consultation and monitor performance of every student.</li> <li>Reviews project proposal and deliverables with Project Management and other related departments that will be involved to determine proper lead time, funding limitations, procedures for accomplishing project, staffing requirements, and allotment of available resources to various phases of project</li> <li>Arranged Industrial Visit, Implant Training and Guest Lectures to motivate the students.</li> </ul>
	<b>Contribute a lot for students admission</b>
	Seminar To Inculcate Awareness of Engineering Disciplines To The Higher Secondary School Students
	<b>Research and Development Co-ordinator</b>
	<ul style="list-style-type: none"> <li>Various faculty and staff development programmes for qualification upgradation.</li> <li>Faculty &amp; Staff development with respect to training needs and arranging</li> </ul>

	<p>the same.</p> <ul style="list-style-type: none"> <li>• Motivate faculty to write projects.</li> <li>• To monitor the effective utilization of funds of externally funding projects.</li> <li>• Facilitate the Consultancy work in the institution.</li> <li>• Shall maintain and update record of Research Publications.</li> </ul>
	<p><b>AICTE – CII Survey of Industry-Linked Technical Institutes</b></p> <p>Industry Institute Linkages, Collaborative Research Entrepreneurship &amp; incubation centres.</p>
	<p><b>Assist to Higher Authorities</b></p> <ul style="list-style-type: none"> <li>• Ensure that all the faculty in his branch to perform their duty effectively and efficiently and also to ensure better teaching learning process.</li> <li>• Assist the administration in smooth conduct of the examination/ admission/ house tests/ practicals/ disciplinary matters.</li> <li>• Ensure that the laboratories in the department are well equipped and maintained according to the curriculum, all the equipment in the laboratories/ workshops must be functional to conduct the Practicals properly.</li> </ul>
<b>Adhiyamaan College of Engineering (Autonomous) Hosur</b>	<p><b>Autonomous Functioning incharge</b></p> <p>Assist HOD for internal and external auditing files updating &amp; maintenance</p>
	<p><b>Work shop Incharge</b></p> <p>Supervision and guidance. Monitoring and record keeping of stock of substore items. Maintenance and repairs. Any other assignment given by management</p>
<b>Hindustan Institute of Technology and Science (Deemed to be University), Chennai</b>	<p><b>5S Co-Ordinator</b></p> <p>As 5S Co-ordinator; successfully implemented 5S workplace Management system in Department of Mechanical Engineering, Hindustan Institute of Technology and Science, Chennai.</p>

## RESEARCH PROJECTS

Name of the Funding Agency/ Scheme	Title of the Project	Status	Amount in Lakhs
<b>IEI, Kolkata/ IEI Research and Development Grant for 2009–2010</b>	Application Of Engineering In The Futurestic Development of Orthopaedics Using FEA/CT/CAD/CAM/RPT /Lab VIEW	COMPLETED	<b>0.77</b>

## THESIS DETAILS

Title of thesis at Doctoral level : Studies on Natural Fibre Particle Reinforced Composite Material  
 Title of thesis at Master's level : Stress Analysis of Humeral Shaft Fracture And Fixation of Plate Using The Realistic Mechanical Parameters, Loading And Boundary Conditions. ....M.E [2007-2008]  
 Computer aided Design and Analysis of Spur, Helical and Bevel Gear. .... M.Tech [2004-2005]

## AWARDS RECEIVED

- Young Researcher Award 2016 from GRABS Educational Society, India
- Young Faculty Award 2015 from Venus International Foundation, India.
- Fellow Award 2011 from Society for Applied Biotechnology, India
- Best research paper award 2010 from Society for Applied Biotechnology, India
- Best research paper award 2008 from Indian Society for Technical Education

## PATENT DETAILS (Granted: 3)

[1]	<b>D Chandramohan</b> , Hybrid Reinforced Composite Material, 193/CHE/2012. The Patent Office Journal, Dated 28/02/2014, Issue NO. 09/2014, Page No. 6312. <b>PATENT NUMBER : 289690</b>
[2]	<b>D Chandramohan</b> , Reinforced Composite Material, 1011/CHE/2013. The Patent Office Journal, Dated 23/01/2015, Issue NO. 04/2015, Page No. 22017. <b>PATENT NUMBER : 302538</b>
[3]	<b>D Chandramohan</b> , Artificial Bone Implant, 2349/CHE/2010. The Patent Office Journal, Dated 22/03/2013, Issue NO. 12/2013, Page No. 6738. <b>PATENT NUMBER : 316203</b>
[4]	<b>D Chandramohan</b> , Hybrid Reinforced Composite Material For Prosthesis And Bone Grafting Substitutes, 201741026463. The Patent Office Journal, Dated. 04/08/2017 Issue NO. 31/2017, Page No. 25613. <b>AWAITING FOR EXAMINATION</b>
[5]	<b>D Chandramohan</b> , Bio-Based Nanofluid Heat Transfer Medium, 201941054670, The Patent Office Journal, Dated 24/01/2020, ISSUE NO. 04/2020, Page No. 4663. <b>AWAITING FOR EXAMINATION</b>

## PAPERS PUBLISHED IN INTERNATIONAL JOURNALS [SCI/SCOPUS]

1.	<b>D Chandramohan</b> et al. Mechanical, Moisture Absorption, and Abrasion Resistance Properties of Bamboo–Jute–Glass Fiber Composites. Journal of Bio- and Tribo-Corrosion (2019) 5:66. DOI: <a href="https://doi.org/10.1007/s40735-019-0259-z">https://doi.org/10.1007/s40735-019-0259-z</a> . <b>SPRINGER [SCOPUS]</b>
2.	<b>D Chandramohan</b> and John Presin Kumar A. Experimental data on the properties of natural fiber particle reinforced polymer composite material, Data in Brief, 13,460–468, 2017. <b>ELSEVIER [SCI &amp; SCOPUS]</b>
3.	<b>D Chandramohan</b> and Marimuthu, K., “Characterization of natural fibers and their application in bone grafting substitutes”, <b>Acta of Bioengineering and Biomechanics</b> , Vol.13, No.1, 77-84, 2011. <b>[SCI &amp; SCOPUS]</b>
4.	<b>D Chandramohan</b> and K. Marimuthu, “Applications of Natural Fiber Composites for Replacement of Orthopaedic Alloys” pp.137-145, November 2011. DOI:10.1109/ICONSET.2011.6167942, published in <b>IEEE Xplore. [SCOPUS]</b>

5.	<b>D Chandramohan</b> and Ravikumar L, Free Vibrational Analysis of Cortical / Hard Cancellous Bone By Using of FEA, Materials Today: Proceedings Volume 16, Part 2, 2019, Pages 744-749 <a href="https://doi.org/10.1016/j.matpr.2019.05.154">https://doi.org/10.1016/j.matpr.2019.05.154</a> . <b>ELSEVIER</b> [SCI & SCOPUS]
6.	S. Dinesh Kumar, <b>D. Chandramohan</b> , K. Purushothaman and T. Sathish, ‘Optimal Hydraulic And Thermal Constrain For Plate Heat Exchanger Using Multi Objective Wale Optimization’, Materials Today: Proceedings 21 (2020) 876–881. <a href="https://doi.org/10.1016/j.matpr.2019.07.710">https://doi.org/10.1016/j.matpr.2019.07.710</a> . <b>ELSEVIER</b> . [SCI & SCOPUS]
7.	S. Dinesh Kumar, K. Purushothaman, <b>D. Chandramohan</b> et al., ANN-AGCS for the prediction of temperature distribution and required energy in hot forging process using finite element analysis, Materials Today: Proceedings 21 (2020) 263–267. <a href="https://doi.org/10.1016/j.matpr.2019.05.426">https://doi.org/10.1016/j.matpr.2019.05.426</a> . <b>ELSEVIER</b> . [SCI & SCOPUS]
8.	M. D. Vijayakumar, <b>D. Chandramohan</b> and G. Gopalaramasubramanian, Experimental investigation on single point incremental forming of IS513Cr3 using response surface method, Materials Today: Proceedings, Volume 21, Part 1, 2020, Pages 902-907 <a href="https://doi.org/10.1016/j.matpr.2019.07.741">https://doi.org/10.1016/j.matpr.2019.07.741</a> . <b>ELSEVIER</b> [SCI & SCOPUS].
9.	T. Adithiyaa, <b>D. Chandramohan</b> and T. Sathish, Optimal prediction of process parameters by GWO-KNN in stirring-squeeze casting of AA2219 reinforced metal matrix composites, Materials Today: Proceedings, Volume 21, Part 1, 2020, Pages 1000-1007. <a href="https://doi.org/10.1016/j.matpr.2019.10.051">https://doi.org/10.1016/j.matpr.2019.10.051</a> . <b>ELSEVIER</b> . [SCI & SCOPUS]
10.	T. Adithiyaa, <b>D. Chandramohan</b> and T. Sathish, Flower Pollination Algorithm for the optimization of stair casting parameter for the preparation of AMC, Materials Today: Proceedings, Volume 21, Part 1, 2020, Pages 882-886. <a href="https://doi.org/10.1016/j.matpr.2019.07.711">https://doi.org/10.1016/j.matpr.2019.07.711</a> . <b>ELSEVIER</b> . [SCI & SCOPUS]
11.	K. Gurusami, <b>D. Chandramohan</b> . Strengthening mechanism of Nd: Yag laser shock peening for commercially pure titanium (CP-Ti) on surface integrity and residual Stresses, Materials Today: Proceedings 21 (2020) 981–987, <b>ELSEVIER</b> . [SCI & SCOPUS] <a href="https://doi.org/10.1016/j.matpr.2019.09.141">https://doi.org/10.1016/j.matpr.2019.09.141</a>
12.	Murali, B., B.Vijayaramnath and <b>D Chandra Mohan</b> , Mechanical properties of boehmeria nivea reinforced polymer composite, Materials Today: Proceedings Volume 16, Part 2, 2019, Pages 883-888. <a href="https://doi.org/10.1016/j.matpr.2019.05.173">https://doi.org/10.1016/j.matpr.2019.05.173</a> . <b>ELSEVIER</b> . [SCI & SCOPUS].
13.	K. Gurusami, K. Shanmuga Sundaram, <b>D. Chandramohan</b> , S. Dinesh Kumar, P. Vasantha Srinivasan & T. Sathish (2019): A comparative study on surface strengthening characterisation and residual stresses of dental alloys using laser shock peening, International Journal of Ambient Energy, DOI: 10.1080/01430750.2019.1614987. <b>Taylor &amp; Francis</b> [SCOPUS].
14.	<b>D Chandramohan</b> and John Presin Kumar A. Fibre reinforced composites: A promising material for artificial limp. Data-Enabled Discov. Appl. 1-9. 2017. <b>SPRINGER</b>
15.	<b>D Chandramohan</b> “Humanizing the values for publishing in India”, <b>ELSEVIER</b> Editors' Update, Issue 42,2014.
16.	<b>D Chandramohan</b> et.al., “Progress of biomaterials in the field of orthopaedics”, American Journal of Applied Sciences, 11 (4),623-630,2014. [SCOPUS]
17.	<b>D Chandramohan.</b> , Bharanichandar, J. Natural fiber reinforced polymer composites for automobile accessories, American Journal of Environmental Sciences,9(6), 494-504,2014. [SCOPUS].

18.	<b>D Chandramohan.</b> , Rajesh, S, Study of machining parameters on natural fiber particle reinforced polymer composite material, Academic Journal of Manufacturing Engineering 12(3), 72-77, 2014. [SCOPUS]
19.	<b>D Chandramohan</b> and Murali, B., Machining of composites - A review, Academic Journal of Manufacturing Engineering, 12(3), 67-71, 2014. [SCOPUS].
20.	<b>D Chandramohan</b> and Marimuthu, K., <i>Natural fibre particle reinforced composite material for bone implant</i> , European Journal of Scientific Research, Vol.54, No.3, 384-406, 2011. [SCOPUS].
21.	<b>D Chandramohan</b> and Bharanichandar, J, Impact test on natural fiber reinforced polymer composite materials, Carbon - Science and Technology, 5(3), pp. 314-320, 2013.
22.	Prabhakaran Vasantha-Srinivasan , <b>D Chandramohan</b> et.al., Aspergillus flavus (Link) toxins reduces the fitness of dengue vector Aedes aegypti (Linn.) and their non-target toxicity against aquatic predator, Microbial pathogenesis, 128, 281-287, 2019. <b>ELSEVIER [SCI/SCOPUS]</b> .
23.	Prabhakaran Vasantha-Srinivasan , <b>D Chandramohan</b> et.al., Larvicidal and enzyme inhibition of essential oil from Spheranthus amaranthoids (Burm.) against lepidopteran pest Spodoptera litura (Fab.) and their impact on non-target earthworms, Biocatalysis and Agricultural Biotechnology, Volume 21, September 2019, 101324, Aug 2019. <a href="https://doi.org/10.1016/j.bcab.2019.101324">https://doi.org/10.1016/j.bcab.2019.101324</a> . <b>ELSEVIER [SCOPUS]</b> .
24.	T. Sathish, S. Dinesh Kumar, <b>D. Chandramohan</b> , et al., Teaching learning optimization and neural network for the effective prediction of heat transfer rates in tube heat exchangers, Thermal Science, 2020, Volume 24, Issue 1, pages 575 - 581. <b>Anna University Annexure I. [SCI &amp; SCOPUS]</b> <a href="https://doi.org/10.2298/TSCI190714438T">https://doi.org/10.2298/TSCI190714438T</a>
25.	T. Sathish, N. Sabarirajan, <b>D. Chandramohan</b> et al., A novel technique to design and production of coil spring in centre lathe, Materials Today: Proceedings, <a href="https://doi.org/10.1016/j.matpr.2019.12.015">https://doi.org/10.1016/j.matpr.2019.12.015</a> . <b>ELSEVIER [SCI/SCOPUS]</b> .
26.	T. Sathish, <b>D. Chandramohan</b> , V. Vijayan , P.J. Sebastian, Investigation on microstructural and mechanical properties of Cu reinforced with Sic composites prepared by microwave sintering process, Journal of New Materials for Electrochemical Systems 22, 005-009 (2019).
27.	<b>D. Chandramohan</b> , T. Sathish, S. Dinesh Kumar, and M. Sudhakar, Mechanical and thermal properties of jute/ aloevera hybrid natural fiber reinforced composites, AIP Conference Proceedings 2283, 020084 (2020); <a href="https://doi.org/10.1063/5.0024976">https://doi.org/10.1063/5.0024976</a> [ <b>SCI/SCOPUS</b> ].
28.	G. Raja, <b>D. Chandramohan</b> , B. K. Gnanavel, and T. Sathish, Effect of inter-facial coupled contact forces in the multilayered pacemaker lead cable, AIP Conference Proceedings 2283, 020081 (2020); <a href="https://doi.org/10.1063/5.0024971">https://doi.org/10.1063/5.0024971</a> [ <b>SCI/SCOPUS</b> ].
29.	G. Raja, <b>D. Chandramohan</b> , B. K. Gnanavel, and T. Sathish, Numerical analysis of cardiac lead due to internal cable motion, AIP Conference Proceedings 2283, 020085 (2020); <a href="https://doi.org/10.1063/5.0024980">https://doi.org/10.1063/5.0024980</a> [ <b>SCI/SCOPUS</b> ].

## CONFERENCE (INTERNATIONAL/NATIONAL LEVEL)

Sl. No.	Authors	Name of the International Conference/Symposium with Venue	Month/ Year / Page No.	Title of the paper
1.	<b>D.Chandramohan</b> L. Ravikumar	International Conference on Advances in Materials, Manufacturing and Applied Sciences 2017 & Sri Sai Ram Institute of Technology, Chennai, India	30&31 March 2017	Free Vibrational Analysis of Cortical / Hard Cancellous Bone ByUsing of FEA
2.	B.Murali and <b>D Chandramohan</b>	International Conference on Advances in Materials, Manufacturing and Applied Sciences 2017 & Sri Sai Ram Institute of Technology, Chennai, India	30&31 March 2017	Mechanical Properties of Boehmeria Nivea Reinforced Polymer Composite
3.	<b>D.Chandramohan</b>	International Conference on Mechanical, Materials and Manufacturing Systems 2016 Sai Ram Engineering College	24 & 25 Feb'16	Flexural Test On Hybrid Biocomposite Materials
4.	B.Murali and <b>D Chandramohan</b>	International Conference on Mechanical, Materials and Manufacturing Systems 2016 Sai Ram Engineering College	24 & 25 Feb'16	Crash Test Analysis On Natural Fiber Composite Materials For Head Gear
5.	J.Arulmani, <b>ChandraMohan D</b> and A.Mohan	International Conference on Mechanical, Materials and Manufacturing Systems 2016 Sai Ram Engineering College	24 & 25 Feb'16	Design And Analysis of Wind Box Segment in Travelling Grate Stoker Boiler Using CFD
6.	<b>ChandraMohan D</b>	International Conference on Mechanical, Materials and Manufacturing Systems 2016 Sai Ram Engineering College	24 & 25 Feb'16	Characterization of Mechanical Seal Using Hybrid of Natural Materials



7.	<b>D Chandramohan</b>	International Conference on Emerging Trends in Engineering and Technology (ICETET 2013) <b>Coimbatore Institute of Information Technology</b>	21 <sup>st</sup> & 22 <sup>nd</sup> February, 2013.	Behaviour of Aluminium Metal Matrix Composites Reinforced with Zircon Sand and Silicon Carbide (Hybrid)
8.	<b>D Chandramohan</b>	International Conference on Nano Science, Engineering and Technology, <b>Sathyabama University, Chennai</b>	November 28-30/ 2011/ pp.164-172	Applications of Natural Fibre Composites for Replacement of Orthopaedic Alloys
9.	<b>D Chandramohan</b>	International Symposium for Research Scholars on Metallurgy, Materials Science and Engineering (ISRS-2010), <b>IIT Madras, Chennai</b>	December 20 – 22 /2010/ pp.129-130	Natural Fiber Bone Plates as Substitutes for Ti6Al4v Plates: A Comparative Study
10.	<b>D Chandramohan</b>	Sixth International Conference on Precision, Meso, Micro, and Nano Engineering (COPEN6), Organized by <b>PSG Tech., Coimbatore</b>	December 11-12/ 2009	Application of engineering in futuristic development of orthopaedics using FEA/CT/CAD/RPT
11.	<b>D Chandramohan</b>	International Conference on Total Engineering, Analysis and Manufacturing Technologies <b>IISc Bangalore</b>	September 22 – 24 /2008/ pp.24, 2008.	Study on stress aspects of humerus Bone on fixation of plate using Finite Element Analysis
12.	<b>D Chandramohan</b>	International Conference on Digital Factory (ICDF 2008), <b>Coimbatore Institute of Technology, Coimbatore</b>	August 11-13/ 2008/ page 532	Stress analysis of humeral shaft Fracture and fixation plate and its effect on vertebrae
13.	<b>D Chandramohan</b>	National Conference on National Nanotechnology Meet on Energy and Environment organized by Sathyabama University in association with IGCAR	September 3-5, 2012/PP. 49-52	Nano Robot the Heart Surgeon
14.	<b>D Chandramohan</b>	CSIR Sponsored National Conference on Green Automobile Conceptualizations towards Sustainable Development (GACSD 2012), The Kavery College of	5-6 September 2012/Page.12	Study of Corrosion Behaviour of Metal Matrix Composites



		Engineering,Salem.		
15.	<b>D Chandramohan</b>	CSIR Sponsored National Conference on Green Automobile Conceptualizations towards Sustainable Development (GACSD 2012), The Kavery College of Engineering,Salem.	5-6 September 2012/ Page.10	Comparing the properties of AL6063-SiC, Nano SiC Metal Matrix Composites (MMC)
16.	<b>D Chandramohan</b>	National conference on Universal innovations in Mechanical Engineering Gnanamani College of Technology, Namakkal, Tamil Nadu	February 3/ 2012/pp.142	Characteristic Analysis of Natural Fiber Reinforced Composite Material for the Helmet Outer shell
17.	<b>D Chandramohan</b>	National Conference on Biotechnology, Bioinformatics And Bioengineering Organized by Society for Applied Biotechnology (India)	December17-18 /2010 /page 49	Natural Fiber Bone Plates as Substitutes for Orthopaedic Alloy Plates
18.	<b>D Chandramohan</b>	National conference for research scholars on “Application of Emerging Technologies, Adhiyamaan college of Engineering, Hosur	March 24-25/ 2008/ page 8	Stress analysis of humeral shaft fracture and fixation of plate using the realistic mechanical parameters, loading and boundary conditions

#### **ORGANIZATION OF NATIONAL CONFERENCE / WORKSHOP/SYMPOSIUM**

- 1. National conference** on Innovations In Machinery And Structures’ 14 on 28.08.2014 , Department of Mechanical Engineering, Vel Tech, Avadi,Chennai.
- 2. National conference** on Innovations In Machinery And Structures’ 13 on 30.03.2013, Department of Mechanical Engineering, Vel Tech, Avadi,Chennai.
- 3. Two days workshop** on Recent trends in Automobile Technology,March 15-16, 2012, Department of Mechanical Engineering, Adhiyamaan College of Engineering, Hosur.
- 4. One day Seminar** on Master CAM on 26.11.2011, Department of Mechanical Engineering, Adhiyamaan College of Engineering, Hosur.
- 5. National Level Technical Symposium (ZAPLON’09)**, April 1-2, 2009, Department of Mechanical Engineering, Adhiyamaan College of Engineering, Hosur.

## MEMBERSHIP OF PROFESSIONAL BODIES

S.No	PROFESSIONAL BODY	TYPE OF MEMBERSHIP	Membership Number
1	Society for Applied Biotechnology	Fellow	--
2	Institution of Engineers India	Associate Member	AM098364-3
3	Indian Society For Technical Education	Life Member	LM 62141
4	Indian Society For Advancement of Materials And Process Engineering	Life Member	L-1264
5	International Association of Engineers Society of Mechanical Engineering	Life Member	LM 104743
6	World Academy of Science, Engineering and Technology	Life Member	--

## SIGNIFICANT OUTREACH ACTIVITIES

S.No	Name and Details of Outreach Activity	Duration	
		From	To
1	As 5S Co-ordinator; successfully implemented 5S workplace Management system in Department of Mechanical Engineering, Hindustan Institute of Technology and Science, Chennai. & <b>Co-ordinate and Participated in the campus cleaning process as a part of 5S Implementation along with the students (offer work to implement the 5S)</b>	2016	2017
<b>Name and Details of Outreach Activity :</b> Seminar To Inculcate Awareness of Engineering Disciplines To The Higher Secondary School Students.			
2	PMS Matric Higher Secondary School, Nanganallur, Chennai. Vyasa Vidyalaya Matric Higher Secondary School, Puzhthivakkam, Chennai -	03.02.2016	04.02.2016
3	ST.DOMINIC'S A.I.H.SEC School, St. Thomas mount, Chennai,. ST.BTITO Matriculation Higher Secondary School Adambakkam, Chennai, G.K.Shetty Hindu Vidyalaya Higher Secondary School Adambakkam, Chennai,.	08.02.2016	09.02.2016
4	National Matric Higher Secondary School, Puzhthivakkam, Chennai St. Thomas Matric Higher Secondary School, Puzhthivakkam, Chennai	15.02.2016	16.02.2016
5	Pole Star Matric Higher Secondary School, Nanmangalam, Chennai.	23.02.2016	

<b>5</b>	<p><b>“Humanizing the values for publishing in India”</b></p> <p><b>Published the article in ELSEVIER editors update</b></p> <p>Here I share a few other concerns which, if properly addressed, could make a contribution to the success of scientific publishing in India. The prominent funding bodies under the Government of India, such as Department of Science &amp; Technology, Department of Biotechnology, Indian Council of Medical Research, Council of Scientific &amp; Industrial Research, etc., should recommend that researchers publish their work preferably in relevant Indian journals. The funding bodies should broadcast a special package/reward/prize, in some form or the other, for researchers who publish their research in Indian journals</p>	Aug 2014	
<b>6</b>	<p><b>Session Chair</b> for International conference (IIASE-2017),Aalim MuhammedSalegh College of Engineering,Chennai</p>	03.03.2017	04.03.2017
<b>7</b>	<p><b>Blood donation in service to suffering patients, Cancer Institute,Chennai</b></p>	27.09.2016	-

SHORT TERM COURSES /CONFERENCES/SEMINARS/WORKSHOPS/ PARTICIPATED			
Period	Course title	Conducted by	Sponsored by
24/06/2019 to 28/06/2019	Workshop on Innovative Practices in Higher Education Institutions	IQAC, St. Peter's Institute of Higher Education and Research, Chennai, Tamil Nadu, India	St. Peter's Institute of Higher Education and Research, Chennai, Tamil Nadu, India
08/02/2019 TO 10/02/2019	Workshop on Revised NAAC Framework and Outcome Based Education	IQAC, St. Peter's Institute of Higher Education and Research, Chennai, Tamil Nadu, India	St. Peter's Institute of Higher Education and Research, Chennai, Tamil Nadu, India
27/09/2018	National Workshop on Engineering Application of Nano science and Nano Technology	Department of Civil Engineering	St. Peter's College of Engineering and Technology, Chennai, Tamil Nadu, India
10/12/2018 to 22/10/2018	FDP on Entrepreneurship	TBI, St. Peter's Institute of Higher Education and Research, Chennai, Tamil Nadu, India	National Science & Technology Entrepreneurship Development Board,DST
30.03.2017 to 31.03.2017	International Conference on Advances in Materials, Manufacturing and Applied Sciences 2017	Sri Sai Ram Institute of Technology, Chennai, India	Sri Sai Ram Institute of Technology, Chennai, India
03.03.2017 to 04.03.2017	International Intellectual Convergence on Advances in Science and Engineering (IIASE-2017)	Aalim Muhammed Salegh College of Engineering, AVADI, Chennai, India	Aalim Muhammed Salegh College of Engineering, AVADI, Chennai, India
26.11.2016	5S Training	Hindustan University	Hindustan University
03.01.2017	FDP on CATIA s/w & FEA	Hindustan University	Hindustan University
12/01/2017	Computer workstation Ergonomics	Hindustan University	Hindustan University
22/12/2015	Seminar on Additive Mnuufacturing : Past,Present and Future	PSG Tech, Coimbatore	PSG Tech, Coimbatore
27/04/2015 To 28/04/2015	FDP on Resrarch Methodology , Key to Success Research paper writing and Publishing	VEL TECH UNIVERSITY	VEL TECH UNIVERSITY
13/10/2015 To 14/10/2015	Short term course on new materials, Their characterization and applications	Madras Institute of Technology	UGC

21/02/2014 to 22/2/2014	FDP on SPASS AND AMOS PACKAGES	VEL TECH UNIVERSITY	VEL TECH UNIVERSITY
27/04/2013	Advanced Manufacturing Techniques	VEL TECH UNIVERSITY	VEL TECH UNIVERSITY
25/09/2013 To 26/09/ 2013.	Recent trends in natural composites and its hybrids for structural applications	Sri Venkateswara college of engineering, Sriperumbudur	DRDO and CSIR
13/03/ 2013.	Seminar on Energy Analysis of Engineering Systems	Vel Tech, Avadi, Chennai	VEL TECH UNIVERSITY
23/02/2013	One Day Seminar on Advances In Non- Conventional Machining Processes [ANMP 2013]	Department of Manufacturing Engineering College of Engineering Guindy, Anna University	Department of Manufacturing Engineering College of Engineering Guindy, Anna University
21/02/2013 TO 22/02/2013	International Conference on Emerging Trends in Engineering and Technology (ICETET 2013),	Department of Mechanical Engineering, Coimbatore Institute of Information Technology	Department of Mechanical Engineering, Coimbatore Institute of Information Technology
15/03/2012 To 16/03/ 2012.	Recent trends in Automobile Technology	Department of Mechanical Engineering, Adhiyamaan College of Engineering (Autonomous), Hosur	Transvahan Technologies Ltd., Bangalore
17/02/2012 To 18/02/ 2012.	Advanced Machining Process	Association of Production Engineers, Anna University, MIT Campus, Chennai.	Association of Production Engineers, Anna University, MIT Campus, Chennai.
21/12/2012	State Level Conference on Establishment of Entrepreneurship Development Cells in Higher Education Institutions in Tamilnadu at chennai Trade Centre, Chennai	Entrepreneurship Development Institute, Chennai.	Entrepreneurship Development Institute, Chennai.
17/02/2012 TO 18/02/2012	International Conference on Advanced Materials and Processing Technologies-2012	PRIST University	PRIST University

03/09/2012. TO 05/09/2012	National Conference on National Nanotechnology Meet on Energy and Environment	Sathyabama University in association with Indira Gandhi Centre for Atomic Research, Kalpakkam	Sathyabama University in association with Indira Gandhi Centre for Atomic Research, Kalpakkam
14/06/2012 to 15/06/2012.	Faculty Development Training Program	ASKUS SOLUTIONS PRIVATE LIMITED	VEL TECH UNIVERSITY
26/11/2011	Seminar on Master CAM	Department of Mechanical Engineering at Adhiyamaan College of Engineering (Autonomous), Hosur	Department of Mechanical Engineering at Adhiyamaan College of Engineering (Autonomous), Hosur
07/01/2011 TO 08/01/2011	National Seminar on Polymers in Medicine and Biology	Department of Biotechnology, Bannari Amman Institute of Technology, Sathyamangalam.	Department of Biotechnology, Bannari Amman Institute of Technology, Sathyamangalam
16/11/2011	Product innovation concept to reality	STRATASYS at The Gateway Hotel, Residency Road Bangalore	STRATASYS
28/11/2011 TO 30/11/2011	International Conference on Nano Science, Engineering and Technology	Sathyabama University in association with Indira Gandhi Centre for Atomic Research, Kalpakkam	Sathyabama University
18.01.2011	Felicitation function in honour of Er.G.PRABHAKAR,President, IEI [INDIA] and presentation of R&D Grant 2010-2011	NATIONAL DESIGN AND RESEARCH FORUM at sir M V ADITORIUM,IEI- KSC,Bangalore.	NATIONAL DESIGN AND RESEARCH FORUM at sir M V ADITORIUM,IEI- KSC,Bangalore.
11/12/2010 To 12/12/2010	Educators day 2010 on Research and Consulting	National Instruments- Bangalore, at Chennai trade centre, Chennai.	National Instruments- Bangalore
04/08/ 2010	Trends and development in Nano Composite Materials	Department of Mechanical Engineering, Adhiyamaan College of Engineering (Autonomous), Hosur	Mechanical division of IE(I), Bangalore

20/12/2010 To 22/12/2010	International Symposium for Research Scholars on Metallurgy, Materials Science and Engineering (ISRS-2010)	IIT Madras	IIT Madras
17/12/2010 To 18/12/2010	National Conference on Biotechnology, Bioinformatics And Bioengineering	Society for Applied Biotechnology (India)	Society for Applied Biotechnology (India)
08/07/2009	Materials Resource Planning	PSG Institute of Management, Coimbatore & joint venture with THE UNIVERSITY OF TOLEDO USA	PSG & Joint venture with THE UNIVERSITY OF TOLEDO USA
16/03/2009 To 20/03/ 2009	STTP on “Nano Technology and its Applications	Department of Mechanical Engineering, Adhiyamaan College of Engineering (Autonomous), Hosur	AICTE-ISTE
11/12/2009 To 12/12/2009	International Conference on Precision, Meso, Micro, and Nano Engineering (COPEN6),	PSG college of Technology, Coimbatore	PSG college of Technology, Coimbatore
22/09/2008 To 24/09/ 2008	International Conference on Total Engineering, Analysis and Manufacturing Technologies (Team Tech 2008)	IISc Bangalore	IISc Bangalore
11/08/2008 To 13/08/ 2008	International Conference on Digital Factory (ICDF 2008)	Coimbatore Institute of Technology, Coimbatore	Coimbatore Institute of Technology, Coimbatore
24/03/2009 To 25/03/ 2009	National conference for research scholars on “Application of Emerging Technologies”,	Adhiyamaan College of Engineering,Hosur	Indian Society For Technical Education

**Declaration:**

I certify that the above information is correct and complete to the best of my knowledge and belief.

Place: Chennai

Date :

**(Dr. D. Chandramohan)**



## Short profile

D.Chandramohan, Professor in the Department of Mechanical Engineering of St. Peter's Institute of Higher Education and Research, Avadi, Chennai, has done his Ph.D under faculty of Mechanical Engineering at Anna university, Chennai. He has completed his Degree of Master of Engineering at Alagappa Chettiar Government College of Engineering & Technology, Karaikudi. He has completed his Degree of Master of Technology at Bharath Institute of Higher Education and Research, Chennai. His Significant outreach activities to the Higher Secondary School Students to Inculcate Awareness of Engineering Disciplines. He has also rendered great service of drafting Patent ; writing research papers and constant encouragement to students community to enhance their profile. He began his teaching career at the Adhiyamaan College of Engineering (Autonomous) Hosur, Tamil Nadu, India in the year of 2008 and he has rendered his service as Associate Professor in Vel Tech, Avadi & Hindustan Institute of Technology and Science, Chennai. His research at Coimbatore Institute of Technology (Government-Aided Autonomous Engineering College), Coimbatore was on Characterization of natural fibre reinforced composite materials, where he has developed bone grafting substitutes to replace the orthopaedic alloys and fabricate the automobile accessories to replace the plastic materials. Based on his research, he has successfully completed **01 funded project at IEI (Kolkata)**. He has to his credit, published **15 Indian patents & 03 has been granted** also filed **01 Australian Patent**. He is an **Innovation Ambassador for "IPR & Technology Transfer"** nominated by **Institution's Innovation Council of MHRD's Innovation Cell, AICTE**. He is also extending his meritorious service of drafting more than **50 Patents** and being referee of many reputed journals. He has to his credit, 35 publications in reputed journals and **has h-index as 20 and i10-index as 23 in SCOPUS. Number of Publication Publications in Web of Science is 14**. He has to his credit, 52 publications in reputed journals and **has h-index as 29 and i10-index as 38 in Google Scholar**. He has authored **05 books for Engineering & Technology**. He has Published 12 International conference proceedings and 06 National conference proceedings and he has received **Young faculty award 2015** from Venus International Foundation, India, **Young Researcher Award 2016** from GRABS educational Society, India and **Fellow Award 2011** from Society for Applied Biotechnology also he has received **Best Project Award from Society for Applied Biotechnology and ISTE Chapter, New**

**Delhi.** Also, he is a Recognized Research Supervisor in St. Peter's Institute of Higher Education and Research, Avadi & Anna University, Chennai. He is having 06 Membership in recognized national and international Professional Bodies and also he has organized various conferences, workshops and seminars for development of students, faculty and researchers.

At present his Research on biodegradable polymeric composites, can contribute for green and safe environment to some extent. The applications of these materials require a sustainable approach to creating green products. In the biomedical and bioengineered field, the use of natural fibre mixed with biodegradable and bioresorbable polymers can produce joints and bone fixtures to alleviate pain for patients and his research includes the process to make the composite and also the variety of products in automotive, furniture, upholstery, house hold goods and computer goods.