

CURRICULUM VITAE

Dr.J.Manikandan
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Department of Mechanical Engineering.
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➤ **Research Area:**

- Solar Energy
- Automobile
- Energy Engineering

➤ **Educational Qualifications:**

Qualification	College/University	Year of completion	Percentage	Class
Ph.D. (Mechanical Engineering)	Annamalai University	2017	-	-
PG (Energy Engineering & Management)	Annamalai University	2007	OGPA 8.95/10.00	First Class with Distinction
UG (Mechanical Engineering)	Madras University	2000	61.1	First Class

Experience:

Name of Company / Institutions	Designation of Post	From	To	Experience in Year
Annamalai University	Assistant Professor	06-03-2003	11-12-2017	14 y 9 M
University college of Engineering Ariyalur	Assistant Professor	12.12.2017	12.07.2023	5 Y 7 M
University College of Engineering, BIT Campus, Tiruchirapallii	Assistant Professor	13.07.2023	-	Till date

➤ **Awards / Honours Received:**

Nil

➤ **Additional / Academic Responsibilities at University:**

1. Class Advisor (2018 TO 2022)
2. Final year Project Co Ordinator
3. Student Mentor

➤ **Membership of Scientific and Professional Societies:**

1. Member of ISTE LM88052

➤ **Fellowships and Grants received:**

- Nil

➤ **Completed PG/UG Projects:**

- a. Number of PG Projects Completed: 4Nos
- b. Number of UG Project Completed: 30 batches

➤ **Research Guidance (M.S/Ph.D.) (Completed):**

Sl. No	Name of the scholar	Title of the thesis	Year of registration	Date of viva voce
1.	Nil	-	-	-

➤ **Research Guidance (M.S/Ph.D.) (Ongoing):**

Sl. No	Name of the scholar	Tentative Title of the thesis	Year of registration	Status
1	VSRBM SUBRAHMANYAM DURVASULA	Performance Evaluation Of Compression Ignition Engine Fuelled with Waste cooking oil Biofuel Blends.	2019	On going
2	G.VIVEK	Investigation towards the development of Solar Flat plate collector using CFD techniques.	2019	On going

➤ **Publications:**

a. Books / book chapters:

Nil

b. International Journals:

1. J. Manikandan and B. Sivaraman, "Performance Studies on Solar Water Heater With Various Absorber Plate Geometries" *International Journal of Applied Engineering Research* ISSN 0973-4562 Volume 10, Number 4 (2015) pp. 10911-10919

2. J. Manikandan and B. Sivaraman "Experimental Analysis of Double Glazed Flat Plate Solar Water Heater with Various Absorber Plate Geometries" *International Energy Journal* 16 (2016) 151-156

3. J. Manikandan and B. Sivaraman "Comparative Studies On Thermal Efficiency Of Single And Double Glazed Flat Plate Solar Water Heater" *ARNP Journal of Engineering and Applied Sciences* VOL. 11, no. 9, May 2016 Issn 1819-6608

4. J. Manikandan "Performance analysis of solar water heater using v-grooved absorber plate" *International journal of current engineering and scientific research (ijcesr)*.Issn (print): 2393-8374, (online): 2394-0697, volume-3, issue-1, 2016

5. J. Manikandan "Managing the Municipal Waste – A Field Study" *Journal of Applied Science and computations* volume III, Issue II, July-Dec/2016ISSN NO: 1076-5131

c. National Journals:

Nil

➤ **Patents:** Nil

➤ **Sponsored Research Projects:** Nil

Sl.No	Name of the project	Funding agency	Project value (Rs.)	Duration	Status
=	=	=	=	=	=

➤ **Consultancy Activities: Nil**

Sl.No	Name of the work	Role (PI/Co PI)	Agency	Amount	Duration
-	-	-	-	-	-

➤ **List of Seminar / Short Term Course /FDP/ Workshop organized:**

- Nil

➤ **List of Seminar / Short Term Course /FDP/ Workshop attended:**

- Participated one day workshop on “Patent Awareness” Conducted by the Faculty of Engineering and Technology, Annamalai University, Annamalai Nagar on 14th April 2004.
- Participated one day workshop on “Energy and Environmental Monitoring” Organised by Department of Mechanical Engineering, Annamalai University, Annamalai Nagar on 14th June 2004
- Participated one day workshop on “Environment and Pollution Awareness” Organised by Department of Mechanical Engineering, Annamalai University, Annamalai Nagar on 22nd December 2004
- Participated 3 Weeks UGC Sponsored Refresher Course on “Advances in Refrigeration Systems for Industrial Applications” conducted by Department of Mechanical Engineering Annamalai University during 24-11-2004 to 14-12-2004.
- Participated 3 Weeks UGC Sponsored Refresher Course on “Recent Trends in Air Conditioning and Refrigeration Systems” conducted by Department of Mechanical Engineering Annamalai University during 21-11-2005 to 10-12-2005.
- Participated 2 weeks AICTE Sponsored “Induction Training Programme for Engineering College Teachers” conducted by NITTTR Chennai during 21-01-2008 to 02.02.2008
- Participated AICTE sponsored Staff Development Programme on ‘Recent Advances in Nano Technology and its APPLICATIONS -rain-2011’ organized by the department of Mechanical Engineering, Pondicherry Engineering College during October 19th-2nd November 2011.
- Participated Prof.K.S.Sonachalam Memorial XXI Inter disciplinary Research Methodology Workshop Organised by the Department of Economics, Annamalai University During 8th-11th February 2011.

- Participated UGC sponsored National Workshop “Advances in Air Pollution and Control Technologies” Organised by the Department of Mechanical Engineering, Faculty of Engineering and Technology ,Annamalai University on 28th-29th February 2012.
- Participated 2 weeks ISTE workshop on Computational Fluid Dynamics Conducted by IIT Bombay under the National Mission on Education through (MHRD.Govt. of India) during 12th June- 22nd June, 2012.
- Participated Short term course on ‘applications of Modeling and simulation in Engineering Research” Sponsored by ISTE during 10th to 15th December 2012.
- Participated Two-Week Faculty Development Training Programme on “ME8493- Thermal Engineering I” On Department of Mechanical Engineering, University College Of Engineering, Villupuram From 1st to 12th December 2018.
- Participated AICTE Sponsored Two Weeks Faculty Development Training Programme on “Cutting Edge Technology and Contemporary Research in Mechanical Engineering” held from 10th to 22nd June 2019 in the Department of Mechanical Engineering, Saranathan College of Engineering, Tiruchirappalli.
- Participated 12 Weeks Online Faculty Development Programme On ‘Engineering Drawing and Computer Graphics” Sponsored by NPTEL On line Certification Funded by Ministry of HRD Government of India during September 2020 to December 2020.

- **National / International Conferences organized / Participated:**

- Participated 19th National Conference on IC Engines and Combustion under the auspices of Combustion Institute (Indian Section) Organised by the Faculty of Engineering and Technology, Annamali University, Annamalai Nagar, During 21st to 23rd December 2005
- Participated in the International conference on Renewable Energy and Climate Change Exploring Opportunities for Sustainable Development” Organised by the School of Energy, Environment and Natural Resources, Madurai Kamaraj University during 5th to 7th April 2012.
- **Professional recognitions:** Nil

(A) Chairperson for conferences / Seminar / Technical symposia:

- Nil

(B) Guest lectures delivered:

- Nil