

**Dr. T. Amuthan, M.E., Ph.D.**

Associate Professor / Mechanical Engineering  
Velammal College of Engineering and Technology, Madurai  
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**Educational Qualification:**

- Ph.D. Completed in the year 2018 at Anna University, Chennai
- M.E. Engineering Design – First Class with Distinction – Completed in the year 2010
- B.E. Mechanical Engineering – First Class – Completed in the year 2008.

**Experience in Years:** 10 Years

**Employment History:**

Sl. No.	Organization	Designation	From	To	Experience
1	Velammal College of Engineering and Technology, Madurai	Associate Professor	April 2020	Till Date	1 Year
2	Velammal College of Engineering and Technology, Madurai	Assistant Professor	June 2013	March 2020	6 Years 9 Months
3	S. Veerasamy Chettiar College of Engineering and Technology, Puliangudi	Assistant Professor	July 2010	April 2013	3 Years

**Interested Research Areas:**

Material processing and joining technologies, Composite Manufacturing, Natural Fiber Characterization, Processing of MMCs.

**Scholarships and Awards received:**

- ❖ Guided the Project “REASSIST” which was recognized by NRDC Startup Award in the year 2019.

**Membership in Professional Societies:**

1. Life Member in International Association of Engineers (IAENG)
2. Life Member in Indian Welding Society (IWS)
3. Life Member in Indian Society for Non-destructive Testing (ISNT).

## **Publications Details:**

### **1. International Journal Publication Details:**

1. **“Investigations of Flexural Performances of Honeycomb Sandwich Composites filled with natural fillers”**, Research and Reviews: Journal of Mechanics and Machines vol. 1, no. 1, pp. 17-23 in the year 2019
2. **“Investigations of Natural Fiber Reinforced Polymer Matrix Hybrid Composites”** published in International Journal of Research in Advanced Technology (IJORAT); ISSN ONLINE 2456-2769, vol. 2, no. 3 in the year 2017
3. **“Experimenting and Analyzing Electrical Conductivity of Natural Fiber Composites”** published in Advances in Environmental Biology (AEB); ISSN (Print): 1995 – 0756; ISSN (Online): 1998 – 1066; vol. 10, no. 7, pp. 116-122 in the year 2016
4. **“Performance Evaluation of the Mechanical Behavior of Natural Fibers under various Reinforced Materials”** published in International Journal of Printing, Packaging and Allied Sciences (IJPPAS); ISSN 2320 - 4387, vol. 4, no. 6, pp. 4723-4737 in the year 2016
5. **“Landfill Selection Criteria in Recycling Sector using MCDM tools”** published in Ecology, Environment and Conservation Paper; ISSN 0971 – 765X, vol. 22, no. 4, pp. 1809-1817 in the year 2016
6. **“Effects of Chemical Treatment and Evaluation on Mechanical Properties of Natural Fiber Reinforced Polymer Composites”** published in International Journal of Applied Engineering Research; ISSN 0973-4562, vol. 10, no. 39 in the year 2015
7. **“Remanufacturing in Reverse Supply Chain Management”** published in Asian Journal of Applied Sciences; ISSN 2321-0893, vol. 3, no. 4 in the year 2015
8. **“Mechanical Performance of Akund Fiber Reinforced Polymer Composites”** published in International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET); ISSN 2347-6710, vol. 3, no. 3 in the year 2014.

### **2. International Conference Presentation Details:**

1. **Design Study and Development of Progressive Tool** in International Conference on Innovative Research in Thermal and Manufacturing Engineering - 2019 (IRTME'19), on 17 & 18 October 2019 held at VCET, Madurai

2. **Rotahabilitator** in International Conference on Innovative Research in Thermal and Manufacturing Engineering - 2019 (IRTME'19), on 17 & 18 October 2019 held at VCET, Madurai
3. **Effects of Chemical Treatment and Evaluation on Mechanical properties of Natural Fiber Reinforced Polymer Composites** in International Conference on Future Trends in Engineering and Technology (ICFTET-2015) on 07 and 08 April 2015 held at PSNACET, Dindigul
4. **Evaluation of Mechanical Strength of Natural Fiber Reinforced Polymer Matrix Composites** in Proceedings of International Conference on Engineering Materials and Processes on 23 & 24 March 2013 at Tagore Engineering College, Chennai.

### 3. National Conference Presentation Details:

1. **Design Fabrication and Pressure Testing of Jute Fibre Reinforced Composites Pipe** in National Conference on Advances in Mechanical Engineering (NACAME-14) on 21 February 2014 held at Mepco Schlenk Engineering College, Sivakasi
2. **A Study on Fiber Reinforced Polymer Composite** in National Conference on Green Materials, Manufacturing Technology and Applications (GMMTA-14) on 04 April 2014 held at Velammal College of Engineering and Technology, Madurai
3. **A Review on Composite Materials** in National Conference on Materials Science (MATS-2009) on 09 & 10 October 2009 held at Annamalai University, Chidambaram.

### 4. Google Scholar report:

<https://scholar.google.com/citations?authuser=1&user=AKm9nrYAAAAJ>