

I.AMBROSE EDWARD, M.E., (Ph.D.)

Assistant Professor / Mechanical Engineering

Velammal College of Engineering and Technology, Madurai

e-Mail Id: iae@vcet.ac.in

Blog Address: : <https://edwardambrose.blogspot.in>

Educational Qualification:

- ❖ **Doctorate of Philosophy (Pursuing)** - Registered at **Anna University Chennai**.
- ❖ **Master of Engineering** in Mechanical Engineering Specialized in Product Design and Development from **Sona College of Technology, Salem** in 2010-2012 - 9.20 CGPA (Affiliated to Anna University, Chennai).
- ❖ **Bachelor of Engineering** – Mechanical – 2006-2010 from **KLN College of Engineering, Madurai**. - 79% (Affiliated to Anna University, Chennai).

Experience in Years: 8 Years 9 Months

Employment History:

- Currently working as an Assistant Professor in Department of Mechanical Engineering at “Velammal College of Engineering and Technology” Madurai since June,2012.

Interested Research Areas:

Product & Tool Design, Rapid Prototyping, Mechatronics

Patent rights received: 01

Publications Details:

Patent Application Number : 4341/CHE/2013

Patent Title : AUTOMATIC FLOOR CLEANER (The Wireless Wiper)

1. Book Publication Details:

- ❖ A Chapter “**Optimization of Variable Speed Turbo Coupling in Boiler Feed Pump**” published in a book “**Innovative Design, Analysis and Development Practices in Aerospace and Automotive Engineering**” Pages: 129-133, Springer Publications, New Delhi in 2014.
- ❖ Published a book titled “**Failure Rate Analysis Of IC Engines-A Case Study**” by **LAP LAMBERT Academic Publishing**, February 2013. ISBN-10:3659341150, ISBN-13 : 978-3659341151

2. International Journal Publication Details:

1. **“Conceptual Design of Fluidized Dual Bed Gasification System”** Paper was published in **Tierärztliche Praxis** Journal: Year 2020, Vol. 40, ISSN: 0303-6286. <https://tierarztliche.com/Vol-40-2020/>
2. **“Fluid Bed Gasification System is Suitable for Multiple Feedstock- A Review”** published by **“International Journal of Innovative and Emerging Research in Engineering** Volume 4, Issue 5, 2017”
3. **“Landfill Selection for Solid Waste Disposal System Using Fuzzy AHP Approach”** published by **“EM International”** in the year **“Vol 22, Dec 2016., Suppl. Issue; Page No.(335-344)”**
4. **“Modeling and Reasoning Techniques for the Conceptual Design of Mechanical Products - Review”** published by **“IJISSET - International Journal of Innovative Science, Engineering & Technology**, Vol. 2 Issue 11, November 2015”
5. **“Remanufacturing in Reverse Supply Chain Management”** published by **“Asian Journal of Applied Sciences** (ISSN: 2321 – 0893)” in the year **“Volume 03 – Issue 04, August 2015”**
6. **“Microstructure analysis of SG iron friction surfacing”** published by **Australian Journal of Basic and Applied Sciences**, 9(20) June 2015, Pages: 78-89”
7. **“Optimizing surface roughness in Wire-EDM using machining parameters”** Published in **International Journal of Innovative Research in Science, Engineering and Technology** Volume 3, Special Issue 3, March 2014.
8. **“Automatic Floor Cleaner”** published by **International Journal of Engineering Research and Technology (IJERT)** ISSN: 2278- 0181 (ISO 3297:2007),February,2014.
9. **“Maintenance Cost Optimization for the Process Industry”**Published in **International Journal of Mechanical Engineering & Robotics Research**, Vol. 1, No. 3, October 2012.

3. International Conference Presentation Details:

- Presented a Paper **“ Conceptual Design of Fluidized Dual Bed Gasification System”** in the **1st International Congress of Engineering and Sustainable Development**, University of Monastir, National Engineering School, Monastir, Tunisia

- Maryem Dhrioua, Ambrose Edwards, Walid Hassen, Lioua Kolsi, V. Anbumalar and Mohamed Naceur Borjini. "**Aspen Plus simulation of biomass air gasification in a bubbling fluidized bed using char as bed material**", **International Conference on Innovative Research in Thermal and Manufacturing Engineering - IRTME 2019**.
- Presented a Paper "**Spare Parts Inventory Model for Auto Mobile Sector Using Genetic Algorithm**" in the **3rd International Conference on Trends in Mechanical and Industrial Engineering (ICTMIE-2013)**, Kuala Lumpur (Malaysia)

4. National Conference Presentation Details:

Presented a paper titled "A Review on Isolate and Reduction of Rubber Waste using VSM" in National Conference on Emerging Research and Advances in Mechanical Sciences in Velammal Engineering College on 18th March 2016.

5. Google Scholar report:

<https://scholar.google.com/citations?user=2W-K0H0AAAAJ&hl=en>

