Name: Dr. Ujwala Hujuri

Designation: Assistant Professor

Address:

Department of Chemical Engineering

Assam Engineering College, Guwahati-781013

Educational details

- PhD in Chemical Engineering from Indian Institute of Technology Guwahati
- M.Tech in Plastics Engineering from CIPET Lucknow
- B.E. in Chemical Engineering from Assam Engineering College, Guwahati

Areas of interest

- Feedstock Recycling of waste plastics
- Natural fiber reinforced composites
- Reaction Engineering
- Catalysis

List of publications

Journals

1. **Hujuri U.,** Chattopadhay S. K., Uppaluri R., Ghoshal A. K., "Effect of maleic anhydride grafted polypropylene on mechanical and morphological properties of chemically modified short pineapple leaf fibre reinforced polypropylene composites". Journal of Applied Polymer Science, vol.107 (2008),1507-1516.

2. **Hujuri U.**, Ghoshal A.K., Gumma S., "Modeling pyrolysis kinetics of plastic mixtures", Polymer Degradation and Stability. 93 (2008) 1832-1837.

3. **Hujuri U.**, Ghoshal A.K., Gumma S., "Temperature-dependent pyrolytic product evolution profile for low-density polyethylene from gas chromatographic study". Waste Management 30 (2010) 814-820.

4. **Hujuri U.**, Ghoshal A.K., Gumma S., “Temperature-dependent pyrolytic product evolution profile for polypropylene”. Journal of Applied Polymer Science 119 (2011) 2318-2325.

Conferences

1. **Hujuri U.**, Gumma S., Ghoshal A.K., “Study of Product Distribution and Mechanistic Aspects of Pyrolytic Decomposition of Polyethylene and Polypropylene mixture”. International Conference on Recycling and Reduce of materials 2009, Kottayam, Kerala.

2. **Hujuri U.**, Gumma S., Ghoshal A.K., “Binary Interaction between Polyethylene and Polypropylene: Effects on Thermal Degradation and Product Distribution”, AIChE Annual Meeting 2010, Salt Lake City, UT.

Courses taught

- Alternative Energy Resources
- Petroleum Refining and Petrochemicals
- Fundamentals of Chemical Engineering
- Chemical Process Industries
- Environmental and Pollution Control Engineering
- Advanced Separation Techniques
- Process Calculation