NAME

Dr. UJWALA HUJURI

DESIGNATION AND ADDRESS

Assistant Professor
Department of Chemical Engineering
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EDUCATIONAL DETAILS

- Ph.D in Chemical Engineering from Indian Institute of Technology Guwahati, India
- M.Tech in Plastics Engineering from Central Institute of Plastic Engineering and Technology Lucknow, India
- B.E. in Chemical Engineering from Assam Engineering College, Guwahati, India

AREAS OF INTEREST

- Waste valorization
- Natural fiber reinforced composites
- Reaction Engineering

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)

5. **Hujuri U.**, Ghoshal A.K., Gumma S., "Temperature-dependent pyrolytic product evolution profile for polyethylene terephthalate". Journal of Applied Polymer Science 130 (2013). 3993-4000.

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.

3. **Hujuri U.**, Gumma S., Ghoshal A.K., "Temperature-dependent pyrolytic product evolution profile for binary mixtures of Low Density Polyethylene and Poly (ethylene Terephthalate)", 7th International Symposium on Feedstock Recycling of Polymeric materials (7th ISFR), New Delhi, India.

4. **Hujuri U.,** Gumma S., Ghoshal A.K., "Temperature Dependent Pyrolytic Product Evolution Profile for Binary Mixtures of Poly (ethylene terephthalate) and Polypropylene", First Symposium on Advances in Sustainable Polymers (ASP14) 2014, IIT Guwahati, Guwahati, India.

SPONSORED ONGOING PROJECTS

Sl. No.	Title of the Project	Funding Agency	Duration	Value of the Project (in Rs)
1	Catalytic pyrolysis of plastics	World Bank under TEQIP-III	1.5 year	3 Lacs
2	Composting of locally available waste biomass by different techniques	World Bank under TEQIP-III	1.5 year	3 Lacs

COURSES TAUGHT

1. Petroleum Production Technology

2. Biochemical Engineering

3. Mechanical Operation

4. Process Calculation

5. Alternative Energy Resources

6. Process Instrumentation