

FACULTY PROFILE



Name: Dr. PRAVAT RANJAN PATI

Designation: Assistant Professor

Area of research: Polymer Composites, Metal matrix and ceramics matrix composites, Plasma Spray Coatings, Tribology, Surface Engineering

Education:

- Ph.D. in Mechanical Engineering, NIT, Rourkela, 2015
- M.Tech in Mechanical (Thermal) Engineering, SOA University, ITER, Bhubaneswar, 2011
- B.Tech in Mechanical Engineering, Biju Patnaik University of Technology, Odisha, 2008

Professional Experience:

- 2015- Till date: Assistant Professor, FST, IFHE (Deemed University), Hyderabad.
- 2008 -2011: Assistant professor at ABIT, BPUT, Odisha

Research /Selected Publications:

1. **P. R. Pati**, M. P. Satpathy and A. Satapathy, "Experimental investigation on Linz-Donawitz slag filled polypropylene composites using Teaching-Learning based Optimization approach", *Polymer Composites*, DOI:10.1002/pc.24434, 2017.
2. **P. R. Pati** and A. Satapathy, "Processing, characterization and erosion wear response of Linz-Donawitz (LD) slag filled polypropylene composites", *Journal of Thermoplastic Composites Materials*, vol. 29, no. 9, pp. 1282-1296, 2016.
3. **P. R. Pati** and A. Satapathy, "Prediction and simulation of wear response of Linz-Donawitz (LD) slag filled glass-epoxy composites using neural computation", *Polymers for Advanced Technologies*, vol. 26, no. 2, pp. 121-127, 2015.
4. **PravatRanjanPati** and AlokSatapathy, "Triboperformance Analysis of Coatings of LD slag premixed with TiO₂ Using Experimental Design and ANN", *Tribology Transactions*, Vol.58, PP.349-356, 2015.
5. **PravatRanjanPati** and AlokSatapathy, "Prediction and simulation of wear response of Linz-Donawitz (LD) slag filled glass-epoxy composites using neural computation", *Polymers for Advanced Technologies*, Vol.26 (2), PP.121-127, 2015.