Poorvi Purohit

Contact Information

J 117, Polymers & Advanced Materials Laboratory,
Polymer Science and Engineering Division
National Chemical Laboratory, Pune – 411008, India.
Phone: 91-20-25902090, Email: pm.purohit@ncl.res.in

Current Research Interests

- Structure-property relations in polymers and bio-based polymers using a combination of advanced analytical techniques viz. calorimetry (TGA and DSC), spectroscopy (FTIR and UV-VIS), chromatography (GPC), Reology (DMA, micro-tensile testing) etc.
- Kinetic study of polymer decomposition using dynamic and isothermal calorimetry techniques.

Education

- Master of Science in Applied Chemistry, 1998, Govt. Engg. Collage, Jabalpur, M.P., India.
- Bachelor of Science, 1996, Ranidurgavati Vishwavidhyalaya, Jabalpur, M.P., India.

Academic/industrial research experience

- Technical Assistant, National Chemical Laboratory, Pune 2003-present
  - Working on polymer charactorisation using advanced analytical instruments. viz. TGA, DSC, FT-IR, UV-VIS, GPC, DMA, TT etc.
- Technical Assistant,NEERI, Nagpur, 2000-2003
  - worked with a large team of researchers and scientists on a WHO and CPHEEO sponsored project titled “Surveillance of Drinking Water quality”.
- Project Assistant, CSMCRI, Bhavnagar, Aug 2000-Dec. 2000
  - performed industrial environment audit for Tata Chemical, Mithapur; NTPC, Jhanor; Indian Rayon, Veraval and Birla Copper, Dahej.
- Junior Project Fellow, NEERI, Nagpur, 1998-2000
  - worked on air quality monitoring, analysis and environmental impact and risk assessment (EIRA) studies for DID sponsored project on proposed development plan in Yamuna river stretch between new railway and proposed ILFS bridge.

Current research interest

- Understand the structure-property relationship in stereo-complex of PLLA at molecular level using thermal kinetics and rheology.

Awards/Honors

Selected Publications

- Publications in peer reviewed national/ international journals – 2
- Conference poster – 2

Hobbies & other interests

- Reading, traveling and music.