

BHASKAR SHARMA
Assistant Prof., Department of Chemistry,
Guru Ghasidas Vishwavidyalaya (A central University), Bilaspur-495009 (C. G.)
Email: bsharma05@gmail.com,

PROFESSIONAL EXPERIENCE

07/2011-Present: Assistant Professor in Chemistry, Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur-495009 (C. G).

07/2010-06/2011: Assistant Professor (Ad-hoc) in Chemistry, Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur-495009 (C. G).

09/2005-12/2009: Postdoctoral Researcher at Polytechnic institute of NYU. I worked on various NSF-Industrial funded projects involving the studies of enzyme catalysis for the preparation of polymeric materials.

12/2004-08/2005: Postdoctoral Research Fellow at the Department of Organic Chemistry, Polymer Chemistry Research Group, Krijgslaan, Ghent, Belgium, and worked on "Synthesis and Characterization of Novel and Complex Polymeric architectures, interesting for lithographic applications.

06/2000-03/2004: Ph.D Student in the working group of Prof. Dr. H. Höcker/Dr. H. Keul at the Department of Textile and Macromolecular Chemistry, RWTH, Aachen, Germany. The research topic of the Ph.D work is "Synthesis and Characterization of Alternating Poly(amide urethane)s". The prepared polymeric material was interest of powder coatings.

RESEARCH FIELD:

Organic-polymer synthesis, Enzymatic and chemo-enzymatic assisted reactions, Polyurethanes, Silicone-containing polymers, Polymers for drug delivery, Controlled radical polymerization, Non-isocyanate routes to polyurethanes.

TEACHING EXPERIENCE

- Teaching UG/PG students at the Department of Chemistry, and B.Tech students at Institute of Technology, GGV, Bilaspur, CG.
- Helped in supervising PhD, masters and undergraduate students at Polytechnic Institute of NYU, Brooklyn, NY.

EDUCATION

Ph.D. in Organic/Polymer Chemistry, (June 2000-March 2004)
Department of Textile and Macromolecular Chemistry, RWTH, Aachen, Germany

Mater of Science in Chemistry (July 1996-June 1998)
St. John's College, Agra, India (Dr. B. R. A. University, Agra)

SELECTED PUBLICATIONS

- Lipase-catalyzed routes to polyol-polyesters, Richard A. Gross, **Bhaskar Sharma**, 238 ACS National Meeting, in Washington DC (August 16-20, 2009), POLY 468
- Enzymatic synthesis and solid-state properties of aliphatic polyesteramides with polydimethylsiloxane blocks. **Bhaskar Sharma**, Abul Azim, Himanshu Azim,

Richard A. Gross, Elisa Zini, Maria Letizia Focarete and Mariastella Scandola, *Macromolecules* **2007**, 40, 7919.

- Synthesis, characterization and polymerization of well-defined acrylic macromonomers by atom transfer radical polymerization (ATRP), Laurence Couvreur, **Bhaskar Sharma**, Filip Du Prez, Division of Polymer Chemistry for the 230 ACS National Meeting, in Washington DC, (August 28-september 1 2005). POLY 450
- Synthesis and Characterization of Alternating Poly(amide urethane)s using ϵ -Caprolactone, Diamines, and Diphenyl Carbonate, **B. Sharma**, H. Keul, H. Höcker, T. Loontjens, R. van Benthem, *Polymer* **2005**, 46, 1775.
- Microstructure and Properties of Poly(mide urethane)s Derived from ϵ -Caprolactam, Amino alcohols, and Diphenyl carbonate or Ethylene carbonate: Comparison of the Reactivity of α -Hydroxy- ω -phenyl urethanes and α -Hydroxy- ω -hydroxyethyl urethanes, **B. Sharma**, L. Ubaghs, H. Keul, H. Höcker, T. Loontjens, R. van Benthem, *Macromol. Chem. Phys.* **2004**, 205, 1536.

POSTER / PAPER PRESENTATIONS

5 scientific papers and 10 posters presented at national and international conferences.