

Faculty Profile



Name: **Damodar Reddy**
Designation: Professor
Teaching Areas: Organic Chemistry
Inorganic Chemistry
Physical Chemistry
Modern Physical Methods in Chemistry (Spectroscopy)
Chemical Applications to Group Theory
Environmental Sciences

Research Interests: Modeling and mimicking of Photosynthetic Intermediates
Synthesis and characterization of sterically hindered macro cyclic systems.

Education: Ph.D., Indian Institute of Technology, Kanpur, 1992
M.Sc. (Chemistry), Osmania University, Hyderabad, India, 1986

Professional Experience (26 Years)

1. Since 2010: Faculty of Science & Technology, IFHE
2. 2006-2010: Faculty of Science & Technology, The ICFAI University, Dehradun.
3. 1996-2006: Professor & HOD of Chemistry, MNR Post Graduate College, Affiliated to Osmania University, Hyderabad.
4. 1994-1996: Assistant Professor, Birla Institute of Technology & Science, Pilani
5. 1992-1994: Post Doctoral Research at IIT Kanpur
6. 1988-1992: Teaching Assistant, IIT Kanpur

Total number of research publications: 16

Research / Selected Publications:

1. **Damodar Reddy**, N.S.Reddy, T. K. Chandrashekar and Hans Van Willigen., "Oxidation of Co(II) tetrapyrroles in the presence of an electron acceptor," J. Chem. Soc. Dalton Trans., 1991, pp 2097-2101.
2. **Damodar Reddy** and T. K. Chandrashekar., "Short chain basket handle porphyrins: Synthesis and characterization," J. Chem. Soc. Dalton Trans., 1992, pp 619-625.
3. **Damodar Reddy**, T. K. Chandrashekar and Hans Van Willigen., "Short chain basket handle porphyrins: Singlet and triplet excited state properties," Chem. Phys. Lett., (Vol 202) 1993, pp 120-126.
4. **Damodar Reddy**, M. Ravikanth and T. K. Chandrashekar., "Brominated short chain basket handle porphyrins and their Cu(II) derivatives: spectral and electrochemical studies on effect of β -substitution versus distortion," J. Chem. Soc. Dalton Trans., 1993, pp 3575-3580.

5. M. Ravikanth, **Damodar Reddy**, A. Mishra and T. K. Chandrashekar., "π-Cation radicals of Iron(III) derivatives of deformed porphyrins," J. Chem. Soc. Dalton Trans., 1994, pp 491-495