

## 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

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

### Research / Selected Publications:

#### Total number of research publications: 16

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  $\beta$ -substitution versus distortion," J. Chem. Soc. Dalton Trans., 1993, pp 3575-3580.
5. M. Ravikanth, **Damodar Reddy**, A. Mishra and T. K. Chandrashekar., " $\pi$ -Cation radicals of Iron(III) derivatives of deformed porphyrins," J. Chem. Soc. Dalton Trans., 1994, pp 491-495