

## Faculty Profile

Name: **Dr. 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

### 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  $\beta$ -substitution versus Distortion," J. Chem. Soc. Dalton Trans., 1993, pp 3575-3580.
1. 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.