



Prof. Uday Maitra, IISc, Bangalore

Title: Bioanalytical Applications of Soft Photoluminescent Materials

After his BSc from Presidency College, Calcutta and MSc from IIT Kanpur, Uday Maitra got his PhD from Columbia University in 1986 working with Prof. Ronald Breslow. Following a postdoctoral stay at the University of California at Berkeley with Prof. Paul Bartlett, he returned to India, and after a year at IIT Kanpur moved to IISc Bangalore in 1989.

His research interests are in the Chemistry of Bile acids; Hydrogels, Metallohydrogels and Organogels; Organic-inorganic hybrid materials; Enzyme sensing, etc. He is among the first in India to initiate detailed studies on small molecule derived gels which are an important class of soft materials. Very recently his group has developed a general strategy for low cost, paper based photo-luminescent enzyme sensors.

He is also greatly interested in Chemistry Education and is a regular participant in a variety of outreach programmes for high school and undergraduate students. He has received a number of awards and honours including the S.S. Bhatnagar Award in Chemical Sciences in 2001, and is an elected fellow of the Indian Academy of Sciences and the Indian National Science Academy.