



Prof. Asit K. Chakraborti, NIPER Mohali

Title: Sustainable Chemistry Development: New Concepts and Applications

Professor Asit K. Chakraborti obtained his M. Sc. degree in Organic Chemistry from the University of Burdwan, West Bengal, India in 1977 being placed first in the first class and Ph. D. degree in Synthetic Organic Chemistry from IACS, Kolkata, India in 1985. After post-doctoral research training in USA in the department of Chemistry, Clemson University, South Carolina, during 1985-1987 and in Medicinal Chemistry at Purdue University, Indiana, USA during 1987-1989 he joined the University of Burdwan as a faculty in the department of Chemistry and served during 1990-1994. He joined the department of Medicinal Chemistry, NIPER, S. A. S. Nagar, Punjab, India as Assistant Professor in 1994 and was elevated to the position of Assoc. Professor in 1999 and to Professor and Head in 2001. Prof. Chakraborti has guided 37 Ph. D. and 114 Masters students, published 167 research papers (with > 7800 citation with *h* index of 52), and filed 42 patents. He received several awards and recognition such as University Gold Medal, Bardhaman Sammilani Gold Medal, ISMAS Eminent Mass-spectroscopist award, Ranbaxy Research Award (Pharmaceutical Sciences), Chemical Research Society of India Bronze Medal, Rajnibhai V. Patel PharmInnova Best Research Guide Awards for the most "Innovative Ph. D. Thesis" during 2016-2017 and the most "Innovative MS Thesis" during 2015-2016 and 2014-2015 in "Pharmaceutical Chemistry," Certificate of Appreciation for Ph. D. thesis Advisor of Eli Lilly and Company Asia Outstanding Thesis First Prize Awardee in 2013, 2012, and 2009 and Second Prize Awardee in 2009. He is Fellow of the Royal Society of Chemistry and elected Fellow of Indian Academy of Sciences, Bangalore and Indian National Science Academy, New Delhi. His research interest is synthetic organic and medicinal chemistry with thrust in new drug development in tuberculosis, leishmaniasis, diabetes, and inflammation to develop NCEs through development of novel synthetic methodologies (catalysis, C-H activation etc.) in compliance with the green chemistry principles and deriving novel concepts (understanding the molecular level role of acceleration of organic reactions in water and the origin of the organocatalytic potential of ionic liquids etc.).