

Dr. Soumen Basu was born in West Bengal, India in 1980. He received the B.Sc. degree (Chemistry Hons.) from Vidyasagar University, India in 2001, the M.Sc. degree (Inorganic Chemistry) from the same university in 2003 and the Ph.D degree from Indian Institute of Technology, Kharagpur, India in 2008. He did his first postdoctoral research from University of Alabama, USA (from 2008-2009), and second postdoctoral research from Australian Institute for Bioengineering and Nanotechnology (AIBN), University of Queensland, Australia (from 2009-2011). He is currently working as Associate Professor, Thapar Institute of Engineering and Technology, India in the field of environmental sustainability (water splitting/wastewater treatment/toxic pollutant degradation) by advanced functionalized nanomaterials. He is also actively involved in developing chemical-sensors/nanobiosensors and porous adsorbents for carbon capture and storage (CCS) technology. He has published more than 140 research articles in reputed international journals with an *h-index* of 37 and *citations* of 6500.

