
BRIEF BIOGRAPHY OF THE CANDIDATE

Moyna Das completed her B.Sc. in Chemistry (Honours) along with Mathematics and Physics from Raja Rammohan Roy College, Calcutta University, Kolkata, India (2009-2012) and M.Sc. from Sree Chaitanya College, West Bengal State University, India (2012-2014). During Master's degree, she did a project on Haemoglobin, under guidance of Dr. Joydeep Dutta. She worked as an assistant teacher for 11-12 chemistry at "The Oriental Seminary", Kolkata, India (2014: August to December).

In January 2015, she joined the Department of Chemistry, BITS Pilani for her doctoral research under the supervision of Dr. Madhushree Sarkar. During her doctoral studies, she received fellowship from BITS Pilani. She involved as course instructor for measurement technique lab (Chemical Experimentation – I & II, B.E. - M.Sc. Dual Degree courses) and as student in charge for handling of Nuclear Magnetic Resonance instrument during her PhD tenure. She has published three research articles, communicated three manuscripts in peer reviewed international journals and presented papers in eight conferences/symposiums. Her research interest lies in designing and developing advanced materials (Super Molecules), can be used for practical purposes (luminous, metal ion sensing, storage, conductivity, magnetism, and catalysis).

BRIEF BIOGRAPHY OF THE SUPERVISOR

Dr. Madhushree Sarkar is an Associate Professor in Department of Chemistry, Birla Institute of Technology and Science Pilani (BITS Pilani), Pilani Campus. She had done her B.Sc. from St. Stephens College, University of Delhi, India (1997-2000) and M.Sc. from Indian Institute of Technology, Kanpur, India (2000-2002). She received her Ph.D. from Department of Chemistry, Indian Institute of Technology, Kharagpur, India (2003-2007) under the supervision of Prof. Kumar Biradha. During her doctoral studies she worked on "Supramolecular Chemistry and Crystal Engineering" which involves understanding various Intermolecular Interactions, Molecular Recognitions, "Host-Guest" Chemistry and will ultimately lead to design and synthesize advanced materials for practical purposes (molecular sensing, storage, separation, catalysis).

Dr. Madhushree Sarkar joined BITS Pilani in as Assistant Professor in 2009. She has around twelve years of research experience and six years of teaching experience. She has guided two PhD students (Dr. Suman Kumari and Dr. Fayaz Baig) and presently two students are working under her supervision. As a result of her research accomplishment she has published 20 research papers in peer reviewed journals, presented papers and delivered lectures in several national and international conferences. She has completed two research projects as PI (sponsored by BITS Pilani and DST-SERB).