

CURRICULUM VITAE

DR. RATNA MUKHERJEE

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DESIGNATION

Assistant Professor of Chemistry, Dum Dum Motijheel College, Kolkata-700074

ACADEMIC BACKGROUND

- Ph.D. (Chemistry), Jadavpur University, West Bengal, 2010.
- M.Sc. (Chemistry), University of Calcutta, West Bengal, 2004.

POSITIONS HELD/ HOLDING

- 2015–Present : Assistant Professor, Dum Dum Motijheel College

TEACHING INTEREST

- Basic reactions, Synthetic organic chemistry, Stereochemistry, Biochemistry, Natural products and Spectroscopy.

RESEARCH PROFILE

PUBLICATIONS:

Journal Paper:

1. **Mukherjee, R.** (2018): A Review on the Synthesis and Use of Benzobisthiazoles: An Important Class of Heterocycles. *International Journal of Scientific Research and Reviews*, 7(4): 1050-1069.
2. Chakrabarty, M., **Mukherjee, R.**, Mukherji, A. and Karmakar, S. (2010): An Expedient Synthesis of Novel 2-Substituted Thiazolo[4,5-*f*]isoquinolines/quinolines and benzo[1,2-*d*:4,3-*d'*]bisthiazoles and their Potential as Inhibitors of COX-1 and COX-2", *Arkivoc*, Part (xi): 265.
3. Chakrabarty, M. and **Mukherjee, R.** (2009): Reaction of Isatins with Active Methylene Compounds on Neutral Alumina: Formation of Knoevenagel Condensates and Other Interesting Products. *Heterocycles*, 78: 139.
4. Chakrabarty, M., **Mukherjee, R.** and Karmakar, S. (2007): Tosic Acid-on-Silica gel: A Cheap and Eco-friendly Catalyst for a Convenient One-pot Synthesis of Substituted Benzimidazoles, *Monatshefte für Chemie*, 138: 1279.
5. Chakrabarty, M., **Mukherjee, R.** and Mukherji, A. (2007): A Keggin Heteropolyacid as an Efficient Catalyst for an Expedient, One-pot Synthesis of 1-Methyl-2-(hetero)aryl benzimidazoles", *Tetrahedron Letters*, 48: 523.

NUMBER OF SEMINAR PRESENTATIONS:

- National: 2

NUMBER OF WORKSHOP/ CAPACITY BUILDING COURSE PARTICIPATIONS:

- National: 3; State Level: 2

MEMBERSHIPS OF LEARNED SOCIETIES

- Indian Association for the Cultivation of Science.
- Indian Chemical Society.

AWARDS

- National Scholarship Scheme of the Govt. of India for securing first class in the B.Sc. Examination held in 2002.
- Cleared Graduate Aptitude Test in Engineering (GATE) in Chemistry, 2004.
- Declared eligible for Lectureship (NET) in the subject of Chemical Science in the Joint CSIR-UGC Test for Junior Research Fellowship and Eligibility for Lectureship (NET) held in 2004.