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Department of Chemistry
Charuchandra College
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Dr. Mominul Sinan

➤ Academic Records

- **Ph. D. :** Chemistry
Indian Association for the Cultivation of Science (IACS), Jadavpur, Kolkata, India, 2011
- **M. Sc. :** Chemistry (Inorganic Chemistry)
University of Calcutta, 2005

➤ Fellowship

- Graduate Aptitude Test in Engineering (GATE)
- NET, Council of Scientific and Industrial Research (CSIR), JRF & SRF

➤ Research Interest

Synthesis of N-containing heterocycles, studies of optical spectra, redox and biomolecular interactions

➤ Research Experiences

Sl. No.	Name & Address of the Institute	Designation	From	To	Research Area
1	Indian Association for the Cultivation of Science (IACS) Kolkata-700032, India	Junior Research Fellow JRF	01-07-2006	31-06-2008	Chemistry
2	Indian Association for the Cultivation of Science (IACS) Kolkata-700032, India	Senior Research Fellow SRF	01-07-2008	31.06.2011	Chemistry

➤ List of Publications

1. Environmental Sustainability and Chemistry: An Overview, **Sinan, M.**, in *Socio-Economic Development and Environmental Sustainability: The Indian Perspective*, Editor Dr. Ranjan Sarkar, **2020**, ISBN 978-93-90124-61-9, 67-75.
2. Bioplastics for Sustainable Development: General Scenario in India, **Sinan, M.**, *Curr. World Environ.*, **2020**, 15(1) 24-28.
3. Biofuels and Recent Development in India: A Review, **Sinan, M.**, *IJSRR*, **2019**, 8(1), 3249- 3258.
4. Sustainable Development and Green Chemistry: A Review, **Sinan, M.** *International Journal of Research on Social and Natural Sciences*, **2018**, 3 (2), 48-67.
5. Aerial Oxidation of Protonated Aromatic Amines. Isolation, X-ray Structure, and Redox and Spectral Characteristics of N- Containing Dyes, Suman K Roy, Subhas Samanta, **Mominul Sinan**, Pradip Ghosh, and Sreebrata Goswami, *J. Org. Chem.* **2012**, 77, 10249–10259.
6. Designed Synthesis of a Functional Derivative of Triazinium cation and it's Rhodium Complex showing Photoinduced DNA Cleavage Activity and Photocytotoxicity, P Ghosh, **M. Sinan**, D. Lahiri, S.Roy and Sreebrata Goswami, *Eur. J. Inorg. Chem.*, **2012**, 4719.
7. Isolation and Characterization of Two Isomeric Arylamine Substituted Triazinium Salts. Studies of Intramolecular Charge-Transfer and Electrochromic Properties, **Mominul Sinan**, Pradip Ghosh and Sreebrata Goswami, *Indian Journal of Chemistry*, **2011**, 50A, 1273 (Special Issue on Sir PC Ray)
8. One-Pot Synthesis of Linearly Fused N-Heterocycles from Their Angular Analogues and Studies of Their Redox and Electrochromic Properties, **Mominul Sinan**, Kumaresh Ghosh and Sreebrata Goswami, *J. Org. Chem.*, **2010**, 75, 2065
9. Synthesis of Azoaromatic Dyes via Redox Driven C-N Bond Fusion, **Mominul Sinan**, Manashi Panda, Priyabrata Banerjee, C. B. Shinisha, Raghavan B. Sunoj and Sreebrata Goswami, *Org. Lett.*, **2009**, 11, 3218
10. Mild Synthesis of a Family of Planar Triazinium Cations via Proton-Assisted Cyclization of Pyridyl Containing Azo Compounds and Studies on DNA Intercalation, **M. Sinan**, M. Panda, A. Ghosh, K. Dhara, P. E. Fanwick, D. J. Chattopadhyay, and S. Goswami, *J. Am. Chem. Soc.*, **2008**, 130, 5185