

Dr. DIPANKAR DAS

M.Sc., Ph.D.

Assistant Professor of Chemistry (Organic Chemistry)

Department of Chemistry

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❖ **Academic Information**

Examination/Degree	Board/University	Division/Class
B.Sc. (Chemistry Hons.)	University of Calcutta	1st Class
M.Sc. (Chemistry)	Jadavpur University	1st Class
NET (Chemical Science)	UGC-NET	CSIR-JRF
Ph.D.	Jadavpur University	Chemistry

❖ **Specialisation: Organic Chemistry**

❖ **Teaching Experience:** Joined as **Asst. Professor of Chemistry** in St. Xavier's College in November, **2008**.

❖ Participated in many national and international **seminars/symposia**.

❖ Participated and completed UGC sponsored **Orientation Program** (JU, 2013), **Refresher Course in Chemistry** (CU,2017), **Refresher Course in Environmental Studies** (AMU, 2021), and **Academic Leadership Program** (AMU,2021).

❖ **Research area of interest:** *Design and Synthesis of Highly Selective Fluorescent Probes for The Detection of Metal Ions and Their Applications.*

❖ **Publications:**

1. A rhodamine-based fluorescent sensor for rapid detection of Hg²⁺ exhibiting aggregation induced enhancement of emission (AIEE) in aqueous surfactant medium. **Dipankar Das**, Rahul Bhowmick, Atul Katarkar, Keya Chaudhuri and Mahammad Ali, J. Indian Chem. Soc., Vol. 94, July **2017**, pp. 819-828.

2. A differentially selective probe for trivalent chemosensor upon single excitation with cell imaging application: potential applications in combinatorial logic circuit and memory devices.

Dipankar Das, Rabiul Alam, Atul Katarkar and Mahammad Ali, Photochem. Photobiol. Sci.,**2019**, 18, 242.

3. A novel copper(II) complex as a nitric oxide turn-on fluorosensor: intracellular applications and DFT calculation. Rabiul Alam, Tarun Mistri, Pallab Mondal, **Dipankar Das**, Sushil Kumar Mandal, Anisur Rahman Khuda-Bukhsh and Mahammad Ali, Dalton Trans., 2014, 43, 2566.

4. Rhodamine 6G based efficient chemosensor for the trivalent metal ions (Al^{3+} , Cr^{3+} and Fe^{3+}) upon single excitation with applications in combinational logic circuits and memory devices. **Dipankar Das**, Rabiul Alam and Mahammad Ali, Analyst, **2022**, 147, 471-479.