

## **Advertisement for Junior Research Fellow**

### **Dept. of Chemical Sciences, IISER Kolkata**

A position for a Junior Research Fellow (JRF) is available in the research group of Prof. Swadhin K. Mandal, Professor, Dept. of Chemical Sciences, IISER Kolkata. The research work involves knowledge and interest in the synthesis of reactive main-group compounds and their catalytic application towards activation and functionalization of sulfur dioxide, nitrous oxide etc.

**Title of project:** “Catalytic Activation and Functionalization of Sulfur Dioxide (SO<sub>2</sub>) and Nitrous Oxide (N<sub>2</sub>O) using Reactive Main-group Compounds”

- **Number of positions available:** One
- **Funding agency:** SERB
- **Principal Investigator:** Prof. Swadhin K. Mandal, Professor, Dept. of Chemical Sciences, IISER Kolkata.
- **Remuneration:** As per SERB rules (Rs. 37000/- plus HRA, if applicable).
- **Tenure:** From August, 2025 to December, 2025 depending on the availability of funds and satisfactory performance. The position may be terminated by the PI with one month's notice if the candidate does not show satisfactory performance.
- **Basic Eligibility Criteria:** Highly motivated candidates interested in Organic Chemistry/ Inorganic Chemistry/General Chemistry with M.Sc. in Chemistry (minimum 75% marks or CGPA over 7.5 in M.Sc. or equivalent exam).
- **Additional experience (desirable):** Candidate should be qualified with NET/GATE/DST-INSPIRE (or equivalent). The candidate should have strong knowledge and interest in main-group chemistry and catalysis. Candidates with prior expertise with Schlenk line techniques and air-sensitive manipulations will be given preference.
- **Relaxation in Age and Academic qualification for SC/ST/OBC etc:** As per Govt. of India rules.
- **How to apply:**

Eligible candidates may apply with their CV and a cover letter to Prof. Swadhin K. Mandal by email: [swadhin.mandal@iiserkol.ac.in](mailto:swadhin.mandal@iiserkol.ac.in)

Details of research work carried out in the laboratory of Prof. Mandal can be found at the following link: <https://www.swadhinmandal.com/>
- **Application Fee:** Nil
- **Last date and time for receiving applications:** 14 days from the date of advertisement.
- **Interview:** Short-listed applicants will be invited (via email) for an online interview. Date of interview will be communicated to only shortlisted candidates.

**Conditions:** No TA / DA will be provided to the candidate for the interview/document verification process. The decision of the selection committee will be final.