

Junior Research Fellow under a SERB Funded Project at IISER Kolkata

1. **Deadline of application:** 20 July 2024

Date of Online interview: Will be intimated later to the shortlisted candidate

A position for a Junior Research Fellow (JRF) is available in the research group of **Dr. Ratheesh K. Vijayaraghavan, Associate Professor, Department of Chemical Sciences, IISER Kolkata**. The project is aimed to develop organic semiconductors and to probe the electrical transport behavior. Synthesis (55 %), photophysical properties (25 %) and fabrication and electrical characterization of semiconductor devices (20%) is the nature of the proposed research.

2. **Title of project: Investigation on the role of bulk trap states on the resistive state switching in organic semiconductor devices. Funding agency: SERB**
Number of Vacancies: 1

3. **Principle Investigator:** Dr. Ratheesh K. Vijayaraghavan, Associate Professor, Dept. of Chemical Sciences

4. **Remuneration:** As per the DST/SERB Regulations.

5. **Tenure:** Till 12 December 2024.

6. **Essential Eligibility Criteria:** M.Sc. in Chemistry/Masters in Material Science or equivalent degree with minimum 60% marks or CGPA of 8 or above and CSIR UGC NET LS or GATE

7. **Additional experience and qualifications:** Preference will be given to candidates with a prior research experience in organic synthesis / spectroscopy / nanodevice fabrication and electrical characterization.

8. **Age limit:** 26 years as of 20 July 2024, which can be relaxed for specific reserved categories as per the rules of the Government of India. Relaxation in age, educational qualification or experience may be considered in the case of exceptionally deserving candidates.

9. **How to Apply:** A detailed CV along with the scanned copies of the qualification documents (as per the list given below) and list of referees must be emailed to ratheesh@iiserkol.ac.in latest by 20th July 2024. List of qualification documents:

1. Graduation mark sheet

2. Post-graduation mark sheet

3. GATE/NET qualification certificate (If any)

4. Brief write up (max.one page) on the previous research experience (if any)

10. **Terms and Conditions:**

- i) The decision of the selection committee will be final.
- ii) If the number of candidates appearing for the interview is large, the selection committee may restrict the number of candidates for the interview to a reasonable limit after considering qualifications and experience over and above the minimum prescribed in the advertisement.
- iii) The appointment of the candidate will be governed by the terms and conditions of the funding agency, particularly applicable to the said project.
- iv) The selected candidate will have to join duty immediately upon receiving the offer.
- v) The fellowship may be terminated with a 30-day notice before completing the tenure if performance to date is not deemed satisfactory.

Contact

Dr. Ratheesh K. Vijayaraghavan
Associate Professor, Dept. of Chemical Sciences
Indian Institute of Science Education and Research (IISER)
Kolkata, Mohanpur, West Bengal, Pin – 741246.
Email: ratheesh@iiserkol.ac.in