



Indian Institute of Science Education and Research (IISER)  
Bhopal

**Advertisement for Junior Research Fellow (JRF) within SERB funded  
research project in the Department of Chemistry**

December 26, 2022

Applications are invited from Indian nationals for the post of **Junior Research Fellow** in the research area of **Nanoporous Organic Polymers/ Covalent Organic Frameworks for Energy Storage and Battery Applications** under the SERB Project No. CRG/2021/008526 "Redox-active porous organic polymers for energy storage and conversion".

**Project Description:** The project is focused on the development of highly robust heteroatom-rich porous organic polymers/ crystalline porous organic materials. Standard organic reactions and polymerizations techniques will be employed to fabricate the porous materials-derived thin film on the ITO-coated substrates. A thorough spectroscopic and microscopic (HRTEM, FESEM, AFM) techniques will be employed for the characterizations of the developed materials. Electrochromism, electrofluorochromism, and metal-ion battery application will be undertaken.

**No. of Position:** One Junior Research Fellow

**Duration:** Two years (initially for one year, which is extendable to one more year based on performance and mutual interest; performance evaluation and extension will be carried out in every six months).

N.B. Induction to the regular Ph.D. program could also be possible at a later date upon satisfactory performance and qualifying the Ph.D. interview

**Eligibility:**

- M.Sc. (or equivalent) in Chemistry/Applied Chemistry/Materials Science/ Polymer from a recognized University/Institute with a minimum of 60% Marks or CGPA of 7.0 and above at a scale of 10.
- Preferably having qualified CSIR-UGC NET (JRF or LS) or GATE with a valid score or any other similar type of national level exam.
- Candidates must have Mathematics at the 10+2 or undergraduate (Bachelor) level.
- Master students appearing for the final exam can also apply. However, final mark sheet must be submitted at the time of interview.
- Candidates should be below 26 years of age at the time of application.

**Desirables:** Candidates with organic/physical/inorganic chemistry background with experience of handling inert atmosphere reactions, characterizations of polymers will be preferred.

**Salary:** Rs. 31,000/- p.m.

**How to Apply:** Applications containing a detailed CV (including name, photograph, date of birth, address for communication, phone number, email id, details of educational and scientific accomplishments, and name of two referees) should reach the undersigned in a single pdf file **only by email to: [abhijit@iiserb.ac.in](mailto:abhijit@iiserb.ac.in)**

**Last date of receiving applications is January 5<sup>th</sup>, 2023.**

Shortlisted candidates will be called for an interview; no TA/DA will be paid for attending the same. Photocopies of certificates/mark sheets and other testimonials will be collected at the time of interview. The selected candidate will be expected to join at the earliest possibility.

**Contact Details:**

Dr. Abhijit Patra  
Department of Chemistry  
Indian Institute of Science Education and Research (IISER) Bhopal  
Email: [abhijit@iiserb.ac.in](mailto:abhijit@iiserb.ac.in)  
Web: <https://www.fml.iiserb.com/>

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