



**Indian Institute of Science Education and Research (IISER)
Bhopal**

**Advertisement for Junior Research Fellow (JRF)/Project Assistant positions
within DST funded research project in Department of Chemistry**

January 02, 2019

Applications are invited from Indian nationals for the post of project-JRF/Project Assistant in the research area of **Porous Materials/ Polymers** under the DST Project No. DST/CHM/2018086 (Centre for Sustainable Treatment, Reuse and Management for Efficient, Affordable and Synergistic solutions for Water).

Project Description: The project is focused on the development of porous organic polymers/ polymer nanocomposites for water purification. Standard organic reactions and polymerizations techniques will be employed to fabricate the porous polymers/ covalent organic frameworks. The project will employ the state-of-the-art microscopic (SEM, TEM) and spectroscopic (absorption, fluorescence, XPS) techniques to characterize the developed materials. Removal of organic micropollutants, toxic ions from water, testing through fluorescence-based approaches and fabrication of membrane for desalination are to be undertaken.

No. of Position: One JRF or Two Project Assistants, depending on availability of suitable candidates.

Duration: Two years (initially for one year, which is extendable to one more year based on performance and mutual interest).

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 or GATE or 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/ inorganic chemistry background with experience of handling inert atmosphere reactions, characterizations of polymers will be preferred.

Salary: Rs. 25,000/- p.m. + HRA for JRF (Candidates without NET/GATE qualification may be considered for a reduced salary of 12,000/- p.m. + HRA as per DST rule).

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 **only by email to: abhijit@iiserb.ac.in**

Last date of receiving applications is January 12, 2019.

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:

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