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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