



Indian Institute of Science Education and Research Bhopal

Bhopal Bypass Road, Bhopal 462066, Madhya Pradesh

Department of Chemical Engineering

Date: 25/11/2025

Advertisement for the post of a Junior Research Fellow (JRF)

Project No. : DBT/CHE/2022-2023/20

Applications are invited from Indian nationals to work as Project-JRF or PA-1 in a multi-institutional research project funded by the DBT, Government of India.

Title: Development of Environmentally Friendly Controlled-release P-fertilizer and its Evaluation with Plant Growth Promoting Microbes on Soybean Productivity and Soil Microbial Health.

This is a multi-institutional project, and the controlled-release P-fertilizer will be developed in my research lab at IISER Bhopal. The candidate should have some experience in materials science, hydrogel synthesis, and various characterization techniques like *SEM*, *Mechanical testing*, *UV-Vis*, *rheological*, *fertiliser-release studies*, and *soil property testing*. The candidate should have good analytical skills, experiment design, handling of sophisticated equipment, and good English writing skills.

No. of Position: 1(One)

Name of Position: Junior Research Fellow (JRF) or Project Associate-1 (PA-1)

Duration: Initially for 6 months, extendable up to the completion of the project on satisfactory performance.

Salary: INR 37,000 + HRA (as applicable) per month for the candidate with CSIR/ UGC NET or GATE qualification (JRF) or INR 25,000 + HRA (as applicable) per month for the candidate without CSIR/ UGC NET or GATE qualification.

Essential Qualifications:

- B.Tech. and M.Tech. in Polymer Science and Engineering / Chemical Engineering / Materials Science and Engineering / Chemical Technology or B.Sc. (Hons) and M.Sc. degree in Chemistry from a recognized University/Institute and having minimum 60% Marks or CGPA of 7.5 and above at a scale of 10.
- Having qualified for a national level examination like GATE/CSIR-JRF/NET(JRF)/UGC-JRF/Rajiv Gandhi Fellowship or any other equivalent fellowship in Engineering Sciences/Chemical Engineering/Chemistry/Chemical Sciences/allied areas is preferred.

Age limit: Candidates should be below 28 years old.

How to Apply:

Applications should contain –

- a) Cover letter including detailed CV with photograph, b) name of two referees, c) Copy of all credentials including mark sheets starting from 12th standard, NET/GATE qualification certificates, etc.

Completed applications should reach the undersigned only by email to paramita@iiserb.ac.in on and before 9th Dec, 2025. Keep subject of the email to be “JRF Application”. Incomplete application will be summarily rejected.

Only shortlisted applicants will be intimated and called for an interview. No interim correspondence will be entertained. No TA/DA will be given. The candidate selected will be expected to join on 1st January 2026.

Mail the applications to:

Dr. Paramita Das

Associate Professor, Department of Chemical Engineering

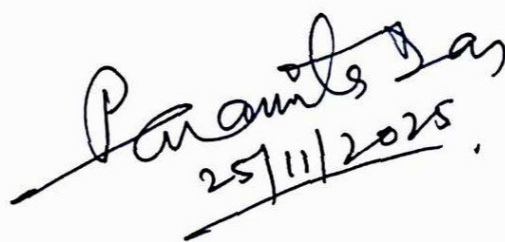
Office 406, Academic Building -1

Indian Institute of Science Education and Research (IISER) Bhopal

Bhopal Bypass Road, Bhauri, Bhopal 462066

Email: paramita@iiserb.ac.in

Website: <https://sites.google.com/view/das-research-group>



डॉ. परमिता दास / Dr. Paramita Das
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