



Indian Institute of Science Education and Research Bhopal

Bhopal Bypass Road, Bhopal 462066, Madhya Pradesh

Department of Chemical Engineering

Date: 18/09/2026

Advertisement for the post of a Junior Research Fellow (JRF) or PA- I

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: For 6 months or till the completion of the project on satisfactory performance. **There is an opportunity to convert this project-JRF position into an institute-funded PhD for 2026-27 December cycle.**

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 sale 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.

- Having prior knowledge in electrochemistry or work experience in hydrogels/microgel/nanogels is highly desirable.

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 **05th Oct, 2026**. **Keep subject of the email to be “JRF Application for DBT project”**. Emails without proper mention of the said subject will not be considered.

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 November 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>