



**INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH BHOPAL
BHOPAL BY-PASS ROAD, BHAURI, BHOPAL 462 066**

DEPARTMENT OF EARTH AND ENVIRONMENTAL SCIENCES

ADVT #: EES/RSR/2023-2024/05

Date: September 12, 2023

Applications are invited for the post of “Junior Research Fellow” for a research project entitled “Source apportionment, development of emission inventory and carrying capacity determination for Durgapur, Asansol and Raniganj in West Bengal” funded by the West Bengal Pollution Control Board.

Name of the post: Junior Research Fellow (JRF)

Number of posts: 01

Duration: Temporary post co-terminus with the project.

Salary: Rs. 31,000 pm + 16% HRA

Minimum qualifications: This position requires a post-graduate degree (BS-MS, MSc, M.Tech) in Atmospheric Sciences, Earth and Environmental Sciences, Analytical Chemistry, Civil/Environmental/Chemical Engineering, from a recognized University/Institute. The candidate should preferably have a fundamental knowledge of atmospheric aerosols, specifically aerosol chemistry, its chemical analysis methods and optical characteristics.

In addition to minimum qualification, a National level examination like National Eligibility Test (NET)/CSIR-JRF/UGC-JRF/INSPIRE-Ph.D/GATE/Rajiv Gandhi Fellowship or any other Fellowship is mandatory.

Desirable:

- This position will be centered on field sampling, chemical analyses and aerosol source apportionment.
- Prior experience in operating instruments such as particulate matter air sampler, nephelometer, transmissiometer, and weather stations are highly desirable.
- Experience with factor analysis including chemical mass balance and positive matrix factorization for atmospheric aerosols is valuable.
- The position requires excellent English communication (oral and written) skills.

Procedure to submit applications: Applications are to be made (electronic copy or hard copy) by submitting curriculum vitae (CV) (in accordance with the appended format) along with a statement of purpose. The application should include a passport-sized photograph and at least two letters of recommendation.

Completed applications should preferably reach the undersigned by **September 30, 2023** by e-mail (preferably) or post. However, application deadline may be extended for exceptionally qualified candidates and positions will remain open until filled. Further, the selection committee may offer lower or higher designation and lower or higher salary depending upon the experience and performance of the candidate in the interview.

Only shortlisted applicants will be intimated and called for an interview. No interim correspondence will be entertained. For any questions regarding the post, the nature of the project, or the suitability of your candidature for the advertised post please contact the undersigned.

Mail applications to:

Prof. Ramya Sunder Raman
Professor, Earth and Environmental Sciences
Room #29, Academic Building 2
Indian Institute of Science Education and Research (IISER) Bhopal
Bhopal by-pass road, Bhauri
Bhopal- 462 066, Madhya Pradesh, INDIA

Phone: + 91-755-2691 371
Email : ramyasr@iiserb.ac.in
Web : <https://home.iiserb.ac.in/~ramyasr/pages/Home.html>