



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/2024-25/01

Date: January 16, 2025

Applications are invited from Indian nationals for the post of “**Senior Research Fellow (SRF)**” for a multi-institutional research project entitled "National Carbonaceous Aerosols Programme COALESCE: CarbOnaceous AerosoL Emissions, Source apportionment and ClimatE impacts” funded by Ministry of Environment, Forest and Climate Change, Government of India.

Name of the post: Senior Research Fellow (SRF)

Number of posts: 01

Nature and Duration: Temporary post co-terminus with the project (current end of project date is 31, March, 2025).

Salary: Rs. 35,000 pm + HRA

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

The candidate should also have qualified a National level examination like National Eligibility Test (NET)/CSIR-JRF/UGC-JRF/INSPIRE-Ph.D./GATE/Rajiv Gandhi Fellowship and have a minimum of two years experience as JRF in a reputed Institute.

Essential:

- The position requires hands on experience in using at least two of the following instruments for aerosol sample analyses:
Energy Dispersive X-Ray Spectrometer/ Inductively Coupled Plasma Optical Emission spectroscopy (ICP-OES)/ Ion Chromatography (IC)/ Multi wavelength thermal optical carbon analyzer (TOT/TOR OC-EC analyzer)
- Two years' experience working as JRF in aerosol chemical analyses, should be able to develop a Quality Assurance Plan and implement QA/QC of analytical procedures.

- Experience with handling aerosol physico-chemical speciation datasets and the ability to use various data analyses techniques and visualization tools for aerosol source apportionment
- Hands-on-experience with air parcel trajectory analyses and their use as a receptor modeling tool

Desirable:

- Well versed with ICP-OES/ XRF based analytical method development, validation, sample preparation and troubleshooting.
- Age limit of 30 years or lower as on 20 July 2023

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 **January 25, 2025 by e-mail (preferably) or post**. However, the application deadline may be extended if no suitable candidates are found 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>



Indian Institute of Science Education and Research Bhopal

Application Proforma

Date	Post applied for	Advertisement no.

I. Have you applied for a position (temporary or permanent) in the Institute before? (If yes, please fill the below mentioned details)

Date of application	Post applied for	Advertisement no.

II. Personal Profile:

First name	Middle name	Surname	Affix latest passport size Photograph
Date of birth	Gender	Marital Status (single/married)	
Nationality	Religion	Category (ST/SC/OBC/PD/General)	

III. Family Details (full names):

Father's Name	
Mother's Name	

IV. Contact Details:

Address for correspondence	Permanent address	Contact details (Address where we can reach you)	
		Country Code:	
		Area Code:	
		Off:	
		Res:	
		Mobile:	
		Email:	
		Skype Address:	

V. Academic qualifications (in chronological order from class X onwards) :
(add additional rows if required)

Qualification	Name of the Institution / School /University	Date of passing (MM - YYYY)	Grade/ Div./ %	Subjects
Class X				
Class XII				
Bachelors				
Masters				

VI. Professional experience:

A: Teaching / Industrial:

Position	Name of the organization	Period	No. of Yrs.	Pay Scale & Basic Pay

B: Research Projects (Sponsored & Consultancy):

Position	Name of the organization	Period	No. of Yrs.	Value of the project

C: Research Profile:

Papers Published & Conference proceedings

D: Awards & Distinctions:

Name of the Award / Fellowship	Name of the organization	Year

VII. Antecedents:

a) Details of any judicial proceedings in the past or present	
b) Any health problems	
c) Any other noteworthy items	

VIII. References with Name, Designation, Address, Phone & Email:

Reference I	Reference II
Email:	Email:

Declaration: The above furnished information is true to the best of my knowledge.

Place:
Date:

Signature:
Name: