



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/2022-23/02

Date: July 15, 2022

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, 2023).

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 at least two of the following instruments:
Multi wavelength thermal optical carbon analyzer (TOT/TOR OC-EC analyzer)/ Ion Chromatography (IC)/ Inductively Gas Chromatography- Mass Spectrometry (GC-MS)/UV-VIS Spectrophotometer/ Total Organic Carbon Analyzer
- Two years' experience working as JRF in aerosol chemical analyses, should be able to implement QA/QC of analytical procedures.

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

Desirable:

- Experience with Positive Matrix Factorization for aerosol source apportionment
- Experience in aerosol radiative transfer calculations

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 **July 25, 2022 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>



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: