



**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/2018-19/01

Date: 20 April, 2018

Applications are invited for the post of **“Institute Post-Doctoral Fellow”**

Number of posts: 01

Age Limit: Preferably below 30 years. It can be relaxed for a candidate with exceptional abilities.

Duration: Initially for 1 year, extendable to 2 years upon satisfactory performance.

Salary: As per Institute norms, as applicable from time to time (current Rs. 40,000 + 20% HRA)

Minimum qualifications: The position requires a Ph.D. in Physics, Atmospheric Sciences, Atmospheric Chemistry, or related fields from a recognized University/Institute. The candidate should have a firm fundamental knowledge of solar variability, radiative transfer, atmospheric science, climate change and be willing to participate in field campaigns (involving some travel). Expertise in dispersion modeling, receptor modeling or other Bayesian approaches for aerosol source apportionment and/or atmospheric radiative transfer modeling is required.

Desirable qualifications: In addition to the minimum qualifications, experience with analysis of hyper-spectral satellite data such as that from OMI, GOME-2, AIRS, MODIS, or IASI is also desirable. The ability to access NASA data in HDF-5 format and process it is also necessary for the position. She/he should also have good verbal and written communication skills as well as be experienced in the standard computing languages such as C/C++, IDL, MATLAB or Fortran.

Research responsibilities: The post-doc will be required to participate in aerosol source apportionment and aerosol radiative transfer model development/testing and application of such models to ground-based aerosol measurements (chemical and optical properties). The post-doc will also be expected to have some experience in handling instruments for aerosol chemical analyses, but his/her primary task will be the development of models and/or adapting existing models for aerosol air quality, health and climate effects assessment. The post-doc may also have to participate in data quality assurance/quality control (QA/QC) and validation.

How to Apply: The application should contain a detailed CV (in accordance with the appended format). The application should include a recent passport-sized photograph, description of research training, accomplishments etc. relevant for this job and name of two referees. Completed application should be sent to ramyasr@iiserb.ac.in. Incomplete application will not be considered and no correspondence will be entertained with regard to application status. Only shortlisted candidates will be asked to appear for an interview. No TA/DA will be paid to attend the interview.

Last date for submission of applications: Applications will be considered until a suitable candidate is found and the position is filled.

For any questions regarding the posts, the nature of the project, or the suitability of your candidature for the advertised posts please contact the undersigned.

Dr. Ramya Sunder Raman

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APPLICATION FORMAT

Application for Institute **Post-doctoral fellow** position is to be made on a plain paper or by e-mail by submitting a curriculum vitae (CV) including a passport-sized photograph. **The CV should essentially** include following details:

1. Name of the candidate:
2. Date of birth: Age in years (as on the date of application):
3. Nationality & permanent address (including fax number and e-mail address, if any):
4. Address for correspondence (including phone number and e-mail address, if any):
5. Sex: M/F
6. Category: GM/SC/ST/OBC
7. Physically handicapped: Y/N
8. Present position, name and address of the institution employed with (including fax number, telephone no. and e-mail address), if any :
9. Educational qualifications: % marks/CPI/ CGPA obtained, starting with higher secondary school or equivalent and up to the most recent degree awarded. Please explain if there are any time gaps between two consecutive degrees. Please state the year of passing, name of the Board/University, and subjects studied
10. Details of PhD thesis/ projects carried out along with the name of the institution where the work was carried out and the contact details of the supervisor whom you worked with.
11. Employment Details (till date):
12. List of Publications: Please do not list manuscripts under preparation.
13. A brief statement of interest (no more that 5-10 sentences) stating what you want to work on during your PDF tenure.
14. Addresses of at least 2 referees:
15. Any other details/remarks relevant to the present application: