



**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/2019/04

Date: August 05, 2019

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

Number of posts: 01

Age Limit: Preferably below 32 years. It can be relaxed for a candidate with exceptional abilities.

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

Salary: Rs. 42,000 per month + 20% HRA (degree awarded)

Rs. 37,000 per month + 20% HRA (thesis submitted)

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 expertise in dispersion modeling, receptor modeling or other Bayesian approaches for aerosol source apportionment. The candidate will also be required to participate in field campaigns and laboratory chemical analysis. Expertise in ICP/OES and TD-GC-MS for aerosol sample analysis is an advantage.

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 is a plus 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 using US-EPA PMF5 and other expanded ME models. The post-doc will also be expected to have experience in handling instruments, including ICP-OES and TD-GC-MS for aerosol chemical analyses, but his/her primary task will be the development of models and/or adapting existing models for aerosol source apportionment. The post-doc will 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 including 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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Indian Institute of Science Education and Research

Application Proforma

Date	Post applied for	Department

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	Department

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 to Ph.D.) :
(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				
Ph.D.				

VI. Professional experience:

(If required, please attach an additional sheet.)

A: Post Doctoral:

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

B: Teaching / Industrial:

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

C: Research Projects (Sponsored & Consultancy):

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

D: Awards & Distinctions:

Name of the Award / Fellowship	Name of the organization	Year

E: Research Profile:

Papers Published & Conference proceedings

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	Reference III
Email:	Email:	Email:

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

Place:
Date:

Signature:
Name: