



Indian Institute of Science Education and Research Bhopal

Bhopal Bypass Road, Bhauri, Bhopal-462066, M.P., India

Advertisement for the post of Junior Research Fellow (JRF) Project No. DST/EES/2016103

Date: 20.06.2018

Applications are invited from Indian nationals to work as 'Junior Research Fellow' (JRF) in research projects entitled "High-resolution regional coupled atmosphere-ocean modeling system to assess climate change impacts over South-Asia: a novel approach" awarded by Department of Science and Technology, Govt. of India.

No. of Positions: 1 (One)

Name of Position: Junior Research Fellow

Duration: For one year extendable up to the duration of the project subject to satisfactory performance.

Location: Dr. Pankaj Kumar's group (Climate & Glacier Modeling Lab), EES Department.

Areas of responsibilities:

1. Work under development and evaluation of the coupled model setup.
2. Conduct and evaluate selected frontier climate simulations.
3. Compile scientific and technical publications of the findings of the different areas in related international peer-reviewed research journals.

Profile of qualifications:

Essential:

1. Master's (M.Sc.)/M.Tech degrees in any of the disciplines of Atmospheric Science, Geophysics, Environmental Science, Physics, Mathematics, and Chemical, Environmental, Computer and Civil Engineering from a recognized University/ Institution with a minimum of 60% marks or CGPA/CPI of 7.0 on a 10 point scale (overall percentage/CGPA/CPI; not only in majoring subject).
2. Exceptionally brilliant students with B.Tech. in any disciplines of Engineering with strong motivation towards Earth and Environmental Sciences, can also apply for the post.
3. In addition to minimum qualification, for all candidates, 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** however, candidate having M.Tech. Degree is exempted.

Desirable:

4. Working knowledge of climate models, especially with RCM's.
5. Experience in Programming languages (like FORTRAN, C/C++, python etc.); Shell scripting.
6. Handling of a large volume of data and conversant with data format like NetCDF, HDF, GRIB etc. Ability to work in groups.
7. Working experience in LINUX/UNIX environment.

The Selected candidates have to work on the i) atmosphere-ocean coupled climate model system, and ii) glacier-climate coupled model system. JRF will work under the supervision of Dr. Pankaj Kumar, PI of the project.

Salary: 25,000/- + 20% H.R.A. (Total monthly salary is 30,000/-)

Age Limit: Applicant should not have completed 32 years of age at the time of application.

Application Procedure:

The application containing cover letter, detailed CV with recent photograph and name of two referees in a single pdf file should reach on or before **10th July, 2018** by e-mail only (E-mail: kumarp@iiserb.ac.in). Shortlisted candidates will be called for interview; no TA/DA will be paid for attending the same. The candidate selected will be required to join as early as possible. The suitable candidate may get relaxation from desirable qualifications.

Contact Details:

Dr. Pankaj Kumar

Asst. Professor, EES Department,
Indian Institute of Science Education and Research Bhopal,
Bhauri, Bhopal-462066, M. P., India
E-mail: kumarp@iiserb.ac.in