



Indian Institute of Science Education and Research Bhopal
Department of Biological Sciences
Bhopal By-pass Road, Bhauri, Bhopal 462066

Advertisement for the Post of Junior Research Fellow (JRF)

Date: 03/05/2024

Applications are invited for a Junior Research Fellow (JRF), awarded by the Ministry of Human Resource Development (MHRD) under the Scheme for Transformational and Advanced Research in Sciences (STARS), in the Department of Biological Sciences, IISER Bhopal, under the project titled “**Rapid climate change assessments using ecology of flowering phenology and machine learning on landscape images**”.

Qualification:

1. Eligibility Criteria:

Master’s or equivalent degree in Life Sciences, Biological Sciences, Botany, environmental science, Zoology or an equivalent branch of life sciences where at least one of the subjects was taxonomy, geography, ecology, behavioural biology or diversity of life. Engineers with BTech or BE degrees. Candidates should have a valid CSIR-NET (Life Sciences) / GATE (Life Sciences) / CSIR-JRF / DBT-JRF / any other National Level Test conducted by Central Government Departments and their agencies OR equivalent scorecard. Candidates must have obtained at least 60% marks (or 6.5 Grade Point out of 10) (55% / 6 CGPA for SC/ST) in their master's.

2. Desirable:

- (a) Candidate with working knowledge in plant biology, ecology, and machine learning basics. Some programming knowledge in Python, MATLAB or equivalent.
- (b) Basic statistics in R or equivalent platforms.
- (c) Willing to do field work and with prior field experience. Able to go to remote locations in India and manage field conditions.
- (d) Knowledge of GIS and climate-related data analyses and programs.
- (e) Engineers with prior experience in biological models.

Job description: This JRF position will involve supporting various research activities for the project. The candidate will collect and analyze ecological data on flowering phenology, apply machine learning techniques to analyze landscape imagery, and contribute to overall lab management, data analysis, report writing, and scientific manuscript preparation.

Salary: Rs. 37,000/- + 8% HRA per month (Consolidated pay with no other allowances).

Tenure of Appointment: The appointment will be initially **for one year** from the date of his/her joining the Institute, which may be extended (for two more years) later/terminated earlier depending on the performance of the candidates.

Age: Should not exceed 35 years as of 1st March 2024 with usual relaxation for SC/ST/OBC/Differently abled and exceptional candidate(s) as per the Government norms.

Application Procedure:

- A Cover letter addressed to Dr. Vinita Gowda, Department of Biological Sciences, Indian Institute of Science Education and Research Bhopal, including the Project Name.
- A detailed CV, including address, contact numbers, email address, and academic qualifications with the percentage of marks obtained in each examination starting from the 10th class, date of birth, and work experiences (if any).
- Photocopies of transcript/final mark sheet of all qualifications starting from the 10th class in a single PDF file.
- Self-attested photocopy of SC/ST/OBC/Differently abled status certificate, if any.

Eligible and interested candidates are requested to apply by sending the application to **Dr. Vinita Gowda** (treeiiserbhopal@gmail.com) **with the subject line “Application for the post of STARS JRF” by 13th May 2024.** Only shortlisted candidates will be called for an interview. **All communications will be based via email only.**

For any queries regarding this position, please contact

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