

Call for applications for the position of a Post-doctoral Research Associate under a

CEFIPRA Funded Project at the Department of Biological Sciences, IISER Kolkata

Applications are invited for the post of a Post-doctoral Research Associate in a CEFIPRA sponsored project titled "Using machine learning to understand the impacts of water quality and habitat disturbances on fish community structure and patterns in lower East-Himalayan streams of India and in La Moselle stream in France" in the group of Dr. Anuradha Bhat, Associate Professor at the Department of Biological Sciences, IISER Kolkata. This is an Indo-French collaborative project with Dr. Baba Issa Camara at the Université de Lorraine in France. The project will involve development of predictive models using different regression based and machine learning methods to understand the environmental, habitat and climatic drivers of freshwater fish distributions across temperate and tropical stream ecosystems. The research work at IISER Kolkata would involve a combination of field and laboratory-based studies to combine species distribution data with physiological and behavioural studies to address impact of specific water quality parameters on fish. This will be combined with detailed statistical and mathematical modelling methods to understand occurrence and abundance of fish communities in native habitats.

1. Eligibility: PhD degree in Life Sciences/Zoology/ Ecological Sciences/Biostatistics/Mathematics/Computer Science from a recognized University/ Institute in India or abroad.

Essential/desirable experience and/or expertise: Strong skills in mathematical and statistical analysis of data; field experience in fish sampling, fish taxonomy highly desirable.

2. Remuneration: Rs. 47,000/- per month + HRA (24%).

3. Tenure: Initially for a period of 1 year, extendable up to 3 years depending on the satisfactory performance of the incumbent.

4. Age limit: Must not be over 35 years as on 18 August, 2023 which can be relaxed for certain reserved categories as per the rules of the Government of India.

5. No of posts: 1

6. How to apply: Applications including a CV, a list of publications, a brief description of past research and a statement of purpose in not more than 400 words explaining the candidate's scientific interest in joining the aforementioned position and two referee names should be sent by email to:

anuradhabhat@iiserkol.ac.in. Please use the subject line of the email as:

'Application for postdoctoral research position in CEFIPRA project.'

7. Last date for application: 30 August, 2023.

8. Interview: Short-listed candidates will be invited for an online interview.

9. Terms and Conditions:

- i) The selection for the postdoctoral research position will be made based on the past academic record as well as the performance in the interview. The decision of the selection committee will be final.
- ii) The appointment of the candidate will be governed by the terms and conditions of the funding agency particularly applicable to the said project.
- iii) The selected candidate will have to join duty immediately on receipt of the offer.
- iv) The fellowship may be terminated with a 30-day notice before completion of the tenure, if performance till date is not deemed satisfactory.
- v) If the number of applicants is large, the selection committee may decide to restrict the number of candidates for the interview to a reasonable limit after considering qualifications and experience over and above the minimum prescribed in the advertisement.

Contact:

Dr. Anuradha Bhat

Associate Professor, Dept. of Biological Sciences

Indian Institute of Science Education and Research (IISER) Kolkata,

Mohanpur, West Bengal, Pin - 741246.

Email: anuradhabhat@iiserkol.ac.in