

Advt. No.: ABV-IIITM Gwalior/ES/2025/RA01

Dated: 01/12/2025

## Advertisement for Postdoctoral Research Fellow

ABV-IIITM Gwalior invites applications from highly motivated, sincere, hardworking and research-oriented candidates for the position of a **Postdoctoral Research Fellow (PDF)** to work under the project “**Modelling extreme weather events in fishery dynamics**” funded by International Growth Centre, LSE, United Kingdom

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| <b>Project title:</b>          | Modelling extreme weather events in fishery dynamics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Funding agency:</b>         | International Growth Centre, LSE, United Kingdom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Investigators</b>           | Dr. Purnedu Mishra (PI), Dr. Anuwedita Singh and Dr. Barkha Tiwari (Co-PIs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Position:</b>               | Postdoctoral Research Fellow (One Post)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Project details:</b>        | India’s fisheries, though increasingly productive, face mounting threats from cyclones and marine heatwaves that disrupt catches and livelihoods, especially for small-boat fishers and women processors. This project aims to build the country’s first dynamic, data-driven model to forecast fishery outcomes under extreme weather, informing adaptive policy through bio-economic simulations calibrated to two decades of landings and revenue data.                                                                                                                                                                                                                                   |
| <b>Qualifications:</b>         | PhD in Mathematical Science and allied subjects (with strong background in mathematical/computational modeling) with good publication record in SCI/SCIE journals. Candidates having expertise in dynamical systems, data science and machine learning will be preferred.                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Remuneration:</b>           | Rs. 60,000/Month (a fixed consolidated). No HRA or additional allowances are applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Duration:</b>               | <b>1 year</b> (Initially for 6 months extendable up to maximum of 1 year or until the completion/termination of the project, whichever comes earlier).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Application procedure:</b>  | Interested candidates are requested to apply with a detailed CV along with publications and all the self-attested marks sheets/ certificates to <a href="https://forms.gle/XW1pHvgGRna22Gpf7">https://forms.gle/XW1pHvgGRna22Gpf7</a> latest by <b>December 16, 2026</b> . Candidates should request two referees for sending their recommendation letters directly to <a href="mailto:pmishra@iiitm.ac.in">pmishra@iiitm.ac.in</a> before December 18, 2025.                                                                                                                                                                                                                                |
| <b>Additional information:</b> | <ul style="list-style-type: none"> <li>Only shortlisted candidates will be called for online interviews. Selected candidates will be intimated by email.</li> <li>The rules and guidelines of the sponsoring agency as well as ABV-IIITM governing Postdoctoral Fellows will be applicable to the Postdoctoral Research Fellow.</li> <li>A one-month notice period is required from either side for termination of the engagement.</li> <li>The Institute reserves the right to fill or not to fill the post advertised.</li> <li>The position involves travel for data collection. Candidates should be willing to travel; all research-related travel expenses will be covered.</li> </ul> |