

**DEPARTMENT OF HYDROLOGY
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
ROORKEE-247667, UTTARAKHAND, INDIA**

Advt. No.: HYD/IPDF/2024/AA

Dated: 10th February 2024

**Advertisement for Post-Doctoral
Fellowship Position**

The Department of Hydrology at the Indian Institute of Technology, Roorkee invites applications from outstanding and enthusiastic researchers for a post-doctoral position under the mentorship of Prof. Ankit Agarwal, at the Department of Hydrology focused on “CMIP6 Model Evaluation of Arctic Sea Ice and its teleconnection with Indian Summer Monsoon Rainfall”

The prospective candidate is expected to have a strong background in the area of mathematics, oceanic Modelling, climate and atmospheric Research. The candidate should have publications in peer reviewed journals. Apart from the research, the candidate may be entrusted with other academic responsibilities as deemed fit by the department.

Last Date for the submission of application is **05th March 2024**.

Minimum Qualification and Experience

Essential Qualifications

- PhD degree in any of the following or equivalent research areas relevant to the department and project: Climate/Remote Sensing/Atmospheric Science/Geomatics/ Environmental/Mathematics or equivalent
- The candidate must be GATE/JRF/NET or equivalent qualified

Desirable qualification

- Prior experience with meteorological data analysis tools (like GrADS, CDO, NCL etc.) and handling data formats like NetCDF, GRIB, CTL, GDAT among other are essential
- Knowledge of UNIX/LINUX system administration
- Working knowledge and good research publications in the domain of Atmospheric, Oceanic and Coupled General Circulation Models is desired.
- Strong expertise in programming language (R/MATLAB/Python)
- Should be able to travel abroad and present and discuss the work.

Duration and Fellowship amount:

The duration of fellowship will be 02 Years, extendable by one more year. The fellowship amount is Rs. 55,000/- per month for first two years and Rs. 60,000/- per month for third year and a contingency amount of Rs. 50,000/- per year will be awarded to the Postdoctoral fellow (PDF).

How to Apply:

Please fill the Google form here

<https://forms.gle/GWy3BxXFNiGfPkq8A>

Also, candidates should e-mail in a single PDF file clearly mentioning Advt. No and date with the title of the position applying for with a covering letter, curriculum vitae, list of publication (highlighted with the most relevant publications for the post), research statement describe the past research and the plans for future research (mandatory)

Prof. Ankit Agarwal
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Notes:

- i. Post-doctoral fellows will be registered as students and may avail facilities of hostel accommodation, library, computer center hospital facilities, etc. Depending upon the availabilities, they may get shelter accommodation also. They will be entitled to 2.5 days leave per complete calendar month. No carry forward for leave will be allowed beyond a calendaryear. PDF positions are purely temporary.
- ii. The Screened candidates will be called for an online interview. The tentative date for the interview is 10-24nd March 2024.