

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
DEPARTMENT OF WATER RESOURCES DEVELOPMENT AND MANAGEMENT

Date: 12, Aug, 2026

Advertisement for JRF Position in CSIR Funded Project

Applications are invited from interested and motivated candidates for the post of Junior Research Fellow (JRF) in a time bound research project for a temporary period, purely on contractual basis, under the Principal investigator: Dr. Kritika Kothari, Assistant Professor, Department of Water Resources Development and Management, Indian Institute of Technology Roorkee, as per the following details.	
Position	Junior Research Fellow (JRF)
Number of Vacancy	ONE
Project Title	Assessing Climate Change Impacts on Soybean Yield in the Drought-prone regions of Bundelkhand using Artificial Intelligence and Dynamic Crop Modelling
Department	Department of Water Resources Development and Management, IIT Roorkee
Project Tenure	Two Years
Job Description	Duties: The JRF will be in charge of procuring and processing gridded climate data; collecting ground truth data from soybean fields; procuring and downscaling satellite data, running AI/ML and crop simulation models for crop classification and yield estimation; and writing reports and manuscripts. Desirable Skills: Crop modeling, Remote Sensing and GIS. Programming in R, Python, or Matlab. Machine learning
Essential Qualification	As per CSIR Guidelines for Research Scheme/Sponsored Schemes/ Emeritus Scientist Pl. refer to CSIR-HRDG website: www.csirhrdg.res.in B.S. 4 years programme /Integrated BS-MS/MSc/BE/BTech or equivalent degree in Agricultural Engineering, Agriculture, Civil Engineering and related fields, with 55% marks. Passing of NET/GATE test with valid score
Desirable Qualification	Masters' degree in Land and Water Resources Engineering, Hydrology, Environmental Engineering and related disciplines, with a mathematics subject at bachelor's level.
Tenure of Appointment	One year (extendable up to 2 years based on satisfactory performance)
Age Limit	JRF-28Yrs.
Age relaxation	The upper age limit is relax-able up-to 5 years in the case of candidates belonging to scheduled castes/tribes/OBC, women and physically handicapped candidates.
Fellowship	Rs.37,000/-p.m. + HRA as per Institute rules



1. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
2. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of Principal Investigator through email, by post or produce at the time of Interview:
 - Application in a plain paper with detailed CV including chronological discipline of degree/certificates obtained.
 - Experience including research, industrial field and others.
 - Attested copies of degree/certificate and experience certificate.
 - Educational qualifications certificates (10th, 12th, Graduation, Masters)
 - NET/GATE Qualification certificate
3. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
4. Preference will be given to SC/ST candidates on equal qualifications and experience.
5. Please note that no TA/DA is admissible for attending the interview.

Note: The selected candidate may get an opportunity for PhD admission.

The interview will be held in the Committee Room of the Dept. of WRD&M on 2nd Sept. 2026 at 3 PM.

Interested candidates should send their CV by email to the principal investigator.

Tel: 01332-285041 (office)

Email: kritika.kothari@wr.iitr.ac.in

Kritika
12.8.26
Dr. Kritika Kothari (Principal Investigator)

*To be uploaded on IIT Roorkee website and copy may be sent to appropriate addresses by PI for wider circulation.

Approved

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Sponsored Research & Industrial Consultancy
Indian Institute of Technology Roorkee
Roorkee-247 667 (INDIA)

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