



Prof. K Shashikanth (PI)
Dr. Harish Gupta (Co-PI)
Dept. of Civil Engineering, UCE
Osmania University, Hyderabad

Email: kulkarni.shashikanth@osmania.ac.in & harishgupta78@osmania.ac.in

ADVERTISEMENT FOR JUNIOR RESEARCH FELLOW (JRF)

Sanction No. CRG/2022/003772; Dated March 01 2023	DST (SERB) Core Research Grant	Date 15.03.2023
Position	Junior Research Fellow (JRF)	
Number of Position(s)	One (1)	
Title of the Project	<i>Assessment of Climate change Impacts on Indian Monsoon Precipitation using New Age CMIP6 Dataset: Implications to Water Security in the Godavari and Narmada Basin</i>	
Principal & Co-Principal Investigator	Prof K. Shashikanth and Dr. Harish Gupta	
Scope of the project	<p>The main objective of the project consists of projections of the rainfall using CMIP6 model outputs to provide an understanding of the monsoon system under climate change for water availability and security across the Godavari and Narmada basins.</p> <p>In order to carry out basin-scale projections, statistical downscaling is required for different climate scenarios. Further, the impacts of climate change on stream flow require to be assessed using long-term data and simulating future stream flow using a hydrological model (i.e., SWAT) and using the downscaled climate variables that regulate the stream flows.</p>	
Duration of the project	10 months (Till March 2026)	
Essential Qualification	ME/M.Tech. in Hydrology/ Water Resources Engg/ Water Management. OR M.Sc. in Climate Science/Atmospheric Science/Geology/ Equivalent courses. Candidate having NET/GATE qualification will be preferred.	
Desirable Qualification	Prior hands-on experience of working with hydrological model (i.e., SWAT) and programming (Python) will be added advantage.	
Age and Relaxation (if any)	Not more than 30 years and age relaxation applicable as per SERB norms.	
Fellowship	As per SERB norms, with current emoluments: 31,000 + HRA for NET/GATE qualified. OR 25,000 + HRA for Non-NET/Non-GATE qualified. The fellowship amount is likely to be revised after receiving order from the funding agency.	
Last date	Wednesday 28-05-2025 (5:00 PM)	
Link for Applying	 https://forms.gle/W7f9hcLhHgKrx5CH6	
<p>Short listed candidates will be called for an interview (online/offline) based on their merit and as per the requirement of the project. Candidates preferring offline interview should make their own arrangements for their stay at Hyderabad, if required, when called for interview. No TA/DA will be paid for attending the interview. Interviews will likely to be held on Saturday 31-05-2025.</p>		

PRINCIPAL INVESTIGATOR (PI)