



Indian Institute of Technology (ISM) Dhanbad
Office of the Dean (Research & Development)

Sanction No and Date: ANRF/ARG/2025/008510/CS; Dt. 13/03/26	IIT (ISM) Project No. SRDP 1280 G	Date 02/07/2026
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JRF position under ANRF ARG Project

Applications are invited under the sponsored project. The details of the project are as under:

Position	Junior Research Fellow (JRF)
Number of Position (s)	1 (One)
Title of The Project	Tunable Fluorescent Organic Nanoparticles, Based on the Scaffold of a Single Benzene-Based Fluorophore, 5-(<i>tert</i> -Butyl)-2-hydroxy-1,3-isophthalaldehyde, for Enhanced Emission, White Light Generation and Bioimaging: Syntheses and Spectroscopic Studies
Principal Investigator	Dr. Soumit Chatterjee
Tenure of Project	Till 13/03/2029 or Co-terminus with the project, whichever is earlier
Job Description (in maximum of 100 words)	The selected candidate is expected to conduct studies on methodology development and application of the developed methodologies towards target probe syntheses. Further the synthesized probes will be characterized and their applicability will be tested to help ensure the timely and successful completion of the project, in consultation with the PI.
Essential Qualification	1. M.Sc (Chemistry) with 1 st class or min 60% marks/ 6.0 CGPA (if class is not awarded) 2. Valid CSIR-UGC NET (including LS) or GATE qualification
Desirable Qualification	Experience in synthesis and handling absorption spectrophotometer, fluorimeter and time resolved fluorescence instruments
Age and Relaxation (if any)	As per ANRF norms (Relaxable for SC/ST/OBC/PH candidates as per GOI norms)
Fellowship	₹ 37,000/- PM + (admissible HRA if staying outside the campus)
Last Date & Time	22/07/2026; 6:00 PM Applications quoting the project no. "ANRF/ARG/2025/008510/CS" along with supporting documents, CV and caste certificate (if applicable) should be sent to the PI (Dr. Soumit Chatterjee) via E-mail to soumit@iitism.ac.in
Shortlisted candidates will be informed about the date of interview. Mere possession of minimum qualification does not guarantee an invitation to the interview. Candidates will be shortlisted based on their merit and as per the requirement of the project. All candidates should make their own arrangements for their stay at Dhanbad, if required. No TA/DA will be paid to attend the interview.	

(Signature of PI)