

Date: 01-09-2026

ADVERTISEMENT FOR THE POST OF JRF IN CENTRE OF EXCELLENCE IN EMERGING MATERIALS (CEEMS)

Applications are invited from highly motivated and eligible Indian citizens for a Junior Research Fellow (JRF) position in a research project entitled “**Engineering Smart Trifunctional Optical Catalytic Nano-sensor for Gluten Detection in Food matrices**”, at Centre of Excellence in Emerging Materials, Thapar Institute of Engineering & Technology, Patiala.

Project Details:

Title of the Project	Engineering Smart Trifunctional Optical Catalytic Nano-sensor for Gluten Detection in Food matrices
Sponsored Agency	CEEMS TIET, Patiala and Virginia Tech. USA
Name of the Post	Junior Research Fellowship
Vacancy	01 Post
Duration	03 Years
Principal Investigator	Dr. Shikha Bhogal , Assistant Professor (Research), Virginia Tech-TIET Center of Excellence in Emerging Materials, Thapar Institute of Engineering & Technology, Patiala 147004, India
Co- Principal Investigator	Prof. Soumen Basu , Department of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala-147004, Punjab, India
Opportunity	The selected candidate can register for the full-time Ph.D. program at TIET (upon fulfilling admission norms)

Other Details:

1. Essential Qualification	Masters in Chemistry/ or Masters in Nanotechnology/Material Science branches with a minimum of 60% marks or 7.0 CGPA. Applicants with a valid GATE/NET score will be given preference.
2. Desirable	Candidate having prior experience in fundamental laboratory techniques, fluorescence-based sensing, and spectroscopic characterization, with exposure to machine learning, will be considered an added advantage
3. Fellowship	Rs. 30,000/- per month (Non -NET/Gate) or 45,000/- per month (NET/GATE)
4. Important	- The assignment is purely temporary in nature, and it is co-terminus with the project. - No TA/DA will be paid for appearing in the interview and/or joining the position. - All terms & conditions for this recruitment will be as per the guidelines of CEEMS TIET, Patiala, and reserves the right to cancel the recruitment without any prior notice.
5. How to Apply	Eligible and interested candidates should send their detailed Curriculum Vitae (CV) in the given format through e-mail to Dr. Shikha Bhogal (shikha.bhogal@thapar.edu) and Prof. Soumen Basu (soumen.basu@thapar.edu), mentioning the subject as “ Application for JRF position ”. The last date to receive the applications is 02 weeks from the date of this notification. The shortlisted candidates will be informed about the interview date by email.

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Project Title: *Engineering Smart Trifunctional Optical Catalytic Nano-sensor for Gluten Detection in Food matrices*

1.	Name:		Affix recent passport size photograph		
2.	Male/Female:				
3.	Father/Spouse's Name:				
4.	Mother's Name:				
5.	Address:				
	a) Communication address:				
	b) Permanent address:				
6.	Phone No:	7. Email ID:			
8.	Date of birth:	9. Marital status:			
10.	Nationality:	11. Caste category (OP/SC/ST/OBC/PH):			
12.	Details of Universities/Institutions attended (from 10 th Standard onwards) (Self-attested copies of certificates and mark sheets/grade cards must be presented at the time of interview)				
	Degree	University/ College/Board	Year	Subject(s)	% Marks/ CGPA/CPI
13.	Professional Qualifying Examination Passed:				
	GATE/NET/Equivalent: (Attested copy of certificate must be attached with the application)				
	Name of Examination	Subject	Rank /Marks /Score/Percentile	Qualifying date/year	Valid upto

14.	Professional Experience (Teaching/Research/Industrial), if any				
	Name of organization	Position	Type of work	Period	
				From	To
15.	Any other relevant information (e.g., Publications, Patents, distinctions, achievements, recognitions, etc. if any): ti				
16.	Declaration I hereby declare that the entries made in this application are correct to the best of my knowledge and belief. Place: Date: Signature and Name of the applicant				