CEEMS

A platform for the new materials age

Thapar Institute of Engineering & Technology, Patiala, Punjab

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 **"*Electrospun 2D High-Entropy Metal Sulfide Embedded 1D Carbon Nanofibers for Flexible Current-Collector-Free and Binder-Free Supercapacitors*",** at Centre of Excellence in Emerging Materials, Thapar Institute of Engineering & Technology, Patiala.

Project Details:

Title of the Project	***Electrospun 2D High-Entropy Metal Sulfide Embedded 1D Carbon Nanofibers for Flexible Current-Collector-Free and Binder-Free Supercapacitors***
Sponsored Agency	CEEMS TIET, Patiala and Virginia Tech. USA
Name of the Post	Junior Research Fellowship
Vacancy	01 Post
Duration	03 Years
Principal Investigator	**Prof. Soumen Basu,** Department of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala-147004, Punjab, India
Co- Principal Investigator	**Prof. Rajeev Mehta,** Department of Chemical Engineering, 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 (for 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 **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: Electrospun 2D High-Entropy Metal Sulfide Embedded 1D Carbon Nanofibers for Flexible Current-Collector-Free and Binder-Free Supercapacitors

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 10th 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	Class

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):

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