



**MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY,
BHOPAL- 462003**
(An Institute of National importance under Ministry of Education, Govt. of India)

Department of Chemical Engineering

Advertisement Notice

Applications are invited from the Indian nationals, giving full details of educational qualifications and experience, for Junior Research Fellow (JRF) in research project entitled ***“Development of Carbon Nanofiber Materials from Cowdung/Bio-sludges for Smart Fabric Textile and Selective CO₂/H₂ Energy Storage Application by 3D Printing Technology”*** funded by National Technical Textile Mission (NTTM), Ministry of Textiles, Government of India, under the guidance of Dr. S. Suresh (Principal Investigator), Department of Chemical Engineering, MA-NIT, Bhopal – 462 003. The post is purely temporary, co-terminus with the project. It may be extended only in case project duration is extended by authority and recommended by PI for the same. The duration of project is 2 years or till the completion of the project, whichever is earlier. Initial appointment will be for one-year, extendable upto 1 year subjected to satisfactory performance of the JRF and extension of the project. The details can be seen on the Institute website (www.manit.ac.in). Hard copies of application in the prescribed format along with all enclosures should reach PI by 28-02-2025 Envelope should clearly mention **(Application for JRF in NTTM-Ministry of Textile project)**. Applications by email also will be entertained (sureshs@manit.ac.in or ssureshchemengg@gmail.com). Incomplete applications will be rejected.

(Dr. S. Suresh)
Principal Investigator



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Date: 13-02-2025

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Name of Post: Junior Research Fellow (JRF)

No. of Post: 01

Emoluments: Rs. 35,000/- per month + HRA as (As per applicable NTTM-Ministry of Textile, GoI, India norms).

Essential Qualification:

M.Tech/M.Sc in Chemical Engineering/Textile/Smart Fabric/Energy/Nanomaterials/Biotechnology/Industrial Chemistry or other relevant degree with first class. Preference will be given with relevance experience of Smart fabric or Energy materials.

Desirable Qualification: GATE qualified

We are looking for fully devoted scientific manpower. This is a full-time assignment. Looking for a candidate who has experience on “*Development of Carbon Nanofiber Materials from Cowdung/Bio-sludges for Smart Fabric Textile and Selective CO₂/H₂ Energy Storage Application by 3D Printing Technology*”. Following research information include, but are not limited to

- Extracting nanocellulose/fiber from Cow dung/Bio-sludge via novel processing for smart fabric textile
- Development of carbon nanofiber-based three-dimensional nano-materials using 3D printing technology
- The developed carbon Nanofiber materials will be used as selective CO₂/H₂ energy storage applications
- The developed carbon Nanofiber materials based multifunctional smart textile will be studied for EMI characterization from microwave frequency, and antibacterial characteristics as biomedical applications for various gram-positive and gram-negative bacteria

Selected candidate will be encouraged to make efforts to register for a PhD programme as per institute norms. The candidates should apply in the prescribed format available on the Institute website(www.manit.ac.in) on or before **28/02/2025**, along with attested photocopies of the relevant certificates.

If any of the important information provided in the application form is not supported by certificates attached, the application will be rejected. Applications should be send to the following address: Dr. S. Suresh (Principal Investigator), Department of Chemical Engineering, MANIT, Bhopal – 462 003, Madhya Pradesh. Call letters will be e-mailed to the respective email id after scrutiny of each application. No hard copy of the call letter will be sent. The appointment will be purely on contract basis, the post has been created for the execution of the research project and selected candidates shall not be an employee and no claim of any benefit on that account. Appointment may be terminated at any time if performance is not satisfactory.

Last date for submission of completed application form	28/02/2025
Interview Date	Will be notified to eligible candidates through e-mail
Declaration of result	Will be notified to selected candidate through e-mail

(Dr. S. Suresh)
Principal Investigator



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Department of Chemical Engineering

Application for the post of Junior Research Fellow (JRF)

Attach
Passport Size
Photo

1. Full Name (in Capital):
2. Gender:
3. Date of Birth: Age: _____ years (on last date of application submission)
4. Nationality:
5. Father/Husband's Name:
6. Address for Correspondence:
7. Permanent Address:
8. Contact: Telephone (with STD code): Mobile: E-mail id:
9. Category (SC/ST/OBC/GEN):
10. GATE details if qualified: Score- Valid (upto-)
11. Educational Qualification:

S. No.	Examination Passed	University/Board	Year of Passing	Division/Grade	% of marks	Subjects taken/ specialization

Percent conversion of grade should be specified and the proof of conversion factor should be shown at the time of interview.

12. Details of Previous Experience:

S. No.	Name of	Salary drawn	Period of	Nature of
	Employer with address		service	Duties

If selected, minimum time required to join the post in _____ days.

13. References (Minimum Two), Name, Designation, Institute address, Mobile/Tel No. and E-mail id.

1. _____ 2. _____

14. Statement of purpose (200 words):

15. Any other relevant information

Declaration

I affirm that the information given in this application is true and correct. I also fully understand that if at any stage, it is discovered that an attempt has been made by me to wilfully conceal or misrepresent the facts, my candidature may be summarily rejected or my employment terminated.

**Signature
Candidate
Name**