



**राष्ट्रीयप्रौद्योगिकीसंस्थानसिलचर**  
**National Institute of Technology Silchar**  
(राष्ट्रीयमहत्त्वकासंस्थान)

(An Institute of National Importance)

www.nits.ac.in, Phone: 03842-242914, Fax: 03842-224797, Assam-788010 (INDIA)

**Advertisement No. ::NITS/Dean(R&C)/ME/671/04/2025**

**Date: 19-09-20 25**

Applications are invited from Indian citizens for a temporary post of **Junior Research Fellow (JRF)** for the SERB-DST, Govt. Of India sponsored CRG project in the Department of Mechanical Engineering, NIT Silchar.

Title of the project	Induction heating via reversible disulfide bond grafted MXene for localized self-healing in thermoformable CFRP laminates
Sponsored Agency	SERB-DST (Govt. of India) New Delhi.
Project sanction number	EEQ/2023/000625
No. of posts	01 (one)
Duration	03 years or completion of project, whichever is earlier (extension based on performance review every 12 months)
Principal Investigator (P.I)	<b>Dr. Sudipta Halder</b> , Associate Professor, Department of Mechanical Engineering, National Institute of Technology Silchar, Silchar-788010, India. Email: <a href="mailto:shalder@mech.nits.ac.in">shalder@mech.nits.ac.in</a> / <a href="mailto:sudiptomec@gmail.com">sudiptomec@gmail.com</a>

**General Information and Terms & Conditions**

1. Age Limit	Not more than 28 Years. SC/ST/OBC/Women/PD candidates will get the age relaxation as per DST, Govt. of India norms.
2. Essential Qualification	B.Tech/B.E/M.Tech./M.E. in Mechanical Engineering/ Design and Manufacturing/Materials Science and Engineering/ Metallurgical & Materials Engineering/Aerospace Engineering/Chemical and Polymer Engineering/Plastic Engineering/Polymer Technology and should have GATE/CSIR-UGC NET/qualified through National level examination according to DST guidelines.
3. Desirable Experience	Candidates with an M.Tech degree and hands-on experience in the synthesis of nanomaterials,CFRP, manufacturing of composite materials, polymer technology, mechanical characterization of materials, and fracture mechanics.
4. Salary	<b>Rs. 31,000/-</b> per month (with GATE qualification) Note: Candidate will be eligible for H.R.A. as per the Project/ Institute norms (if accommodation is not provided by the Institute).
5. Relaxation on qualification and age	Relaxation as per Govt. of India Rules.
6. Last date of receiving/ submission of filled up application form	<b>06.10.2025</b>
7. Reporting	Applicants are requested to submit the signed scanned copy of their filled-up application form along with C.V and all other relevant documents to the P.I. through email at <a href="mailto:shalder@mech.nits.ac.in">shalder@mech.nits.ac.in</a> with the subject line“Application for the post of JRF under SERB project CRG/2023/006966.Call letters for shortlisted candidates will be sent through email.
8. Date of interview, time, and venue	The interview date and mode (online/offline) will be communicated through email in due course.
9. No objection certificate	Employed candidates are to submit a no objection certificate from his/her employer at the time of the interview.
10. Institute right	The Institute has the discretion to restrict the number of candidates to be called for the interview on the basis of screening. No candidate may be recruited if suitable candidates are not found.
11. Signing of the agreement	Selected candidates shall have to sign an agreement at the time of joining.

**Sd/-**

Associate Dean (R&C)  
NIT Silchar.

FORMAT of APPLICATION

for **Junior Research Fellow (JRF)**

1. Advertisement no. .... dated:
2. Title of the Project- .....  
.....
3. Department:
4. Name of the applicant (in block letters):
5. Father's/Husband's Name:
6. Date of Birth (DD-MM-YYYY):
7. Age as on ..... :
8. Postal Address:

E-mail:

Phone no.:

9. Permanent Address:
10. Nationality:
11. Marital Status:
12. Whether belongs to SC/ST/PH/OBC: (If yes, attach certificate):
13. Educational Qualification: (Starting from Class X)

Exam. passed	Board/ University	Division	% age of marks/ CPI	Year of passing	Subjects

14. NET/GATE Examinations Passed:

I. NET				II. GATE		
Subject	Qualifying date	Valid upto		Subject	Score	Valid upto

15. Details of employments:

Sl. No.	Name of the Organization	Name of the post	Period	Scale of pay and present pay	Nature of duty

16. Any other relevant information that you may like to furnish:

**Declaration**

I declare that the above information are true and correct to the best of my knowledge and belief.

Date:

Place

Signature of the applicant