



राष्ट्रीय प्रौद्योगिकी की संस्थान सिलचर  
National Institute of Technology Silchar  
(राष्ट्रीय महत्व का संस्थान)

(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/671/03/2024

Date: 25-06-2024

Applications are invited from Indian citizens for a temporary post of **Junior Research Fellow (JRF)** for the SERB-DST, Govt. of India sponsored 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                 | <b>01 (one)</b>  |
| 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, Associate Professor</b> , 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/PwD 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 having M.Tech degree and having 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>09-07-2024</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 EEQ/2023/000625. 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 notified in due course of time through email.  |
| 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.



13. NET/GATE Examinations Passed:

I. NET

II. GATE

| Subject | Qualifying date | Valid up to |  | Subject | Score | Valid up to |
|---------|-----------------|-------------|--|---------|-------|-------------|
|         |                 |             |  |         |       |             |

14. Details of employments:

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

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

**Declaration**

I declared at the above information is true and correct to the best of my knowledge and belief.

Date:

Place

Signature of the applicant