



राष्ट्रीय प्रौद्योगिकी की संस्थान सिलचर
National Institute of Technology Silchar
अध्यक्ष का कार्यालय (शोध एवं परामर्श)

OFFICE OF THE DEAN (RESEARCH & CONSULTANCY)

Advertisement No. NITS/Dean(R&C)/Chemistry/723/01/2026

Date: 28.08.2026

Applications are invited from Indian citizens for a temporary post of **Junior Research Fellow (JRF)** for the Department of Biotechnology (DBT), Government of India, sponsored project in the Department of Chemistry, NIT Silchar.

Title of the project	Development of Genetically Engineered Microalgae, Membrane-Based Photobioreactors and Microalgal-Derived Acid-Base Bifunctional Activated Biochar for Enhanced CO ₂ Capture and Biofuel Generation: A Life Cycle Assessment
Description of the project	Development of genetically engineered microalgae, membrane-based photobioreactors and microalgal-derived acid-base bifunctional activated biochar for enhanced CO ₂ capture and biofuel generation, including life cycle assessment.
Sponsored Agency	Department of Biotechnology (DBT), Government of India
Project Sanction Number	BT/PR60588/CCU/173/38/2025
No. of Posts	01
Duration	02 (Two) years or till Completion of the Project, whichever is earlier (extension of selected candidates would be based on performance review every 12 months)
Investigators	Dr. Samuel Lalthazuala Rokhum, Department of Chemistry, NIT Silchar (PI) Dr. Shanti Gopal Patra, Department of Chemistry, NIT Silchar (Co-PI)

General Information and Terms & Conditions

1. Age Limit	28 years As per DBT/NIT Silchar norms.
2. Essential Qualification	M.Sc in Chemistry, Biotechnology, Life Sciences or a relevant/allied discipline with minimum 60% marks; eligibility as per DBT and NIT Silchar norms.
3. Desirable Experience	Research experience in microalgae, photobioreactors, CO ₂ capture, activated biochar, catalysis/materials characterization, or related areas.
4. Salary	₹37,000/- per month + HRA as per DBT/Institute norms. Candidate will be eligible for HRA as per the Project/Institute norms.
5. Relaxation on Qualification and age	Relaxation as per Govt. of India Rules.
6. Last date of receiving of filled up application form (soft-copy)	15.09.2026
7. Process to Apply	Applicants should send the duly filled application form along with CV and supporting documents to the PI at the email (rokhum@che.nits.ac.in). Subject line: "Application for the post of JRF under the project BT/PR60588/CCU/173/38/2025". For queries, contact the PI, Department of Chemistry, NIT Silchar.
8. Date of interview, time, and venue	Interview date and mode (offline) with other details will be duly notified through email. NB: No TA/DA will be paid for appearing in the interview and/or joining to the post. All the terms & conditions for this recruitment will be as per the guidelines of the sponsoring agency and NIT Silchar
9. No objection certificate	Employed candidates are to submit no objection certificate from his/her employer at the time of interview.
10. Institute right	The Institute has the discretion to restrict the number of candidates to be short-listed 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



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FORMAT of APPLICATION
For Junior Research Fellow (JRF)

Paste
recent
passport
size colored
Photograph

1. Advertisement no : Dated:-
2. Title of the Project :
3. Funding Agency :
4. Department :
5. Name of the applicant (in block letters):
6. Father's/Husband's Name:
7. Date of Birth (DD-MM-YYYY):
8. Gender:
9. Marital Status:
10. Age as on last date of application:
11. Postal Address:
12. Permanent Address:
13. E-mail:
14. Phone no.:
15. Nationality:
16. Whether belongs to SC/ST/OBC/EWS/PwD: (If yes, attach certificate):

17. Educational Qualification:(Starting from Class X)

Exam Passed	Board/University	Division	Percentage of marks/CPI	Year of passing	Subjects

18. NET/GATE Examinations Passed:

☐ NET

☐ GATE

Subject	Qualifying date	Valid up to	Subject	Score	Valid up to

19. Details of employments:

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

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

Declaration

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

Date:

Place:

Signature of the applicant