



राष्ट्रीय प्रौद्योगिकी संस्थान गसलचर
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR
अध्यक्ष का कार्यालय (शोध एवं परामर्श)
OFFICE OF THE DEAN (RESEARCH & CONSULTANCY)

Advertisement No. : NITS/Dean(R&C)/ Chemistry /717/02/2026

Date: 12-08-2026

Applications are invited from Indian citizens for a temporary post of **Project Associate – I** for the **ANRF** Govt. of India, sponsored project in the Department of **Chemistry**, NIT Silchar.

Title of the project	Rational Computational Engineering of Chiral Frustrated Lewis Pairs for High-Efficiency Asymmetric Imine Hydrogenation
Description of the project	In this project, a diverse library of chiral frustrated Lewis pairs (FLPs) will be designed and structurally optimized. These catalysts will be employed to activate molecular hydrogen, followed by asymmetric hydrogenation of imines to produce enantioselective chiral amines. The complete reaction energy profiles for the catalytic hydrogenation process using different chiral FLPs will be constructed using density functional theory (DFT). A comprehensive understanding of the structure-activity relationship and the origins of catalytic activity and stereoselectivity will be achieved through a range of advanced computational chemistry methodologies.
Sponsored Agency	Anusandhan National Research Foundation (ANRF)
Project Sanction Number	ANRF/ECRG/2025/002592/CS
No. of Posts	One (01)
Duration	12 months initially and extendable until project completion, subject to availability of funds and performance review
Principal Investigator	Dr. Shanti Gopal Patra, Assistant Professor, Department of Chemistry, National Institute of Technology Silchar, Assam-788010.

General Information and Terms & Conditions

1.	Age Limit	30 years (on the last date of advertisement)
2.	Essential Qualification	MSc. in Chemistry or BS-MS in Chemistry
3.	Desirable Experience	(i) Basic knowledge in physical/theoretical chemistry. (ii) Prior knowledge of DFT calculations is advantageous but not mandatory.
4.	Salary	(i) 37,000/- + HRA to Scholars who are selected through: (a) National Eligibility Tests CSIR-UGC NET including Lectureship (Assistant Professorship) or GATE or (b) A selection process through National Level examinations conducted by Central Government Departments and their Agencies and Institutions. (ii) 30,000/- + HRA for others who do not fall under (i) above.
5.	Relaxation on Qualification and age	SC/ST/OBC/WOMEN/PWD candidates will get relaxation as per Government of India Rules and Regulations.
6.	Last date of receiving of filled up application form (soft-copy)	25th August, 2026
7.	Process to Apply	Applicants are requested to send the soft copy of the duly filled application form (given below) along with C.V. & soft copy of all supporting documents to the PI through the email (shanti@che.nits.ac.in), with the subject line: "Application for the post of Project Associate-I under the project ANRF/ECRG/2025/002592/CS" For any queries, contact the PI at: shanti@che.nits.ac.in
8.	Date of interview, time, and venue	Interview date and mode (online/ 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 the post of **Project Associate - I**

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