



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

(An Institute of National Importance)

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

Advertisement No. : NITS/Dean(R&C)/ Physics /705/01/2025

Date: 11-11-2025

Applications are invited from interested and motivated Indian citizens for the of post of **Junior Research Fellow (JRF)** in a time bound research project in the Department of Physics, NIT Silchar for a temporary period, purely on contractual basis as per the following details

Title of the project	Quantum Dots integrated titania with plenty of hetero junctions and its utility for green hydrogen production: Beyond Proof of Concept
Position	Junior Research Fellow (JRF)
Department	Physics
No. of posts	01
Duration	03 Years (extension based on performance review every 12 months)
Sponsored Agency	CSIR
Project sanction number	80/0099/24/EMR-II
Principal Investigator (P.I)	Dr. Ranjith G. Nair , Associate Professor Department of Physic, National Institute of Technology Silchar, Assam-788010.

General Information and Terms & Conditions

1.	Age Limit	28 Yrs
2.	Job Description	Synthesis of Quantum Dots, Titania nanomaterials, development of metal oxide hetero junction, fabrication and testing of photo catalytic reactor green hydrogen generation
3.	Essential Qualification	B.S. 4 years programme / BPharm/MBBS/Integrated BS-MS/ MSc/ BE/ B.Tech or equivalent degree, with 55% marks and passing of NET/GATE test.
4.	Desirable Experience	M. Sc Physics with experience in Nanomaterials Synthesis and Characterization.
5.	Age Relaxation	The upper age limit is relax-able up to 5 years in the case candidates belonging to SC/ST/OBC/WOMEN/PWD.
6.	Fellowship	Rs. 31000/- p.m.
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 rgnair@phy.nits.ac.in with the subject line "Application for the post of JRF under CSIR project
8.	Last date for application submission	05.12.2025
9.	Date of interview, time, and venue	The interview date and mode (online/offline) will be communicated through email in due course.
10.	No objection certificate	Employed candidates are to submit a no objection certificate from his/her employer at the time of the interview.
11.	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.
12.	Signing of the agreement	Selected candidates shall have to sign an agreement at the time of joining.

Sd/-

Associate Dean (R&C)
NIT Silchar.

National Institute of Technology Silchar

FORMAT of APPLICATION

For Junior Research Fellow

Paste recent
passport size
colored
photograph

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 **05.12.2025**
8. Postal Address:
E-mail: Phone no.:
9. Permanent Address:
10. Nationality:
11. Marital Status:
12. Whether belongs to SC/ST/PwD/OBC/EWS:(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 up to		Subject	Score	Valid up to

15.Details of employments:

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

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