



रसायन विभाग
मोतीलाल नेहरु राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद, प्रयागराज-211004

Department of Chemistry
Motilal Nehru National Institute of Technology Allahabad, Prayagraj -211004

Advertisement No. 78/Chem/2026-27

Dated- 10/06/2026

Advertisement for the Post of Junior Research Fellow (JRF) On CONTRACT

Applications are invited from Indian nationals for the post of Junior Research Fellow (JRF) (on contract) in research project entitled “*Smartphone-Integrated Quantum Dot Fluorometric Biosensor for Rapid On-Site Detection of Helicobacter pylori*” funded by Prime Minister Early Career Research Grant (PMECRG)-Anusandhan National Research Foundation (ANRF) for 3 years. The position is purely temporary and will be governed by the funding agency rules and service conditions of Research & Consultancy Cell, MNNIT Allahabad.

Project File no.	ANRF/ECRG/2025/002671/CS
Project Title	<i>Smartphone-Integrated Quantum Dot Fluorometric Biosensor for Rapid On-Site Detection of Helicobacter pylori</i>
Number of Position	01
Essential Qualifications	<ul style="list-style-type: none">PG degree with 60% marks for GN/OBC (55% for SC/ST/PH) from UGC recognized University/ Institute including autonomous bodies.GATE/CSIR-UGC NET/GPAT qualified.
Salary	Junior Research Fellow (GATE/CSIR-UGC NET/GPAT qualified) - Rs. 37,000 per month + HRA. = Rs. 44,400 (For first two years) - Rs. 42,000 per month + HRA. = Rs. 50,400 (From 3 rd year)
Other Benefits	Candidate selected for the Junior Research Fellow may register for Ph.D. if eligibility conditions as set by institute is met by him/her.
Age Limit	28 years on the last date of application (The upper age limit is relaxable up to 5 years in the case of candidates belonging to SC/ST/OBC/PH and women candidates)
Tenure of Appointment	One year. Extendable on performance basis up to 3 years.
Desirable Qualifications (Not Mandatory)	<ul style="list-style-type: none">Highly motivated towards research with a strong eagerness to learn new techniques.Prior experience with materials and/or drug/chemical delivery research.
How to Apply	<ul style="list-style-type: none">The duly completed application on prescribed format along with copies of supporting documents must reach to: Research & Consultancy Cell, Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004 on or before 30/06/2026. The envelope should be superscripted as “Application for the post of Junior Research Fellow (JRF) (on contract) in the Research Project “Smartphone-Integrated Quantum Dot Fluorometric Biosensor for Rapid On-Site Detection of Helicobacter pylori”A soft copy of the application should also be sent to Dr. Soumyadipta Rakshit, Assistant Professor, Department of Chemistry & Principal Investigator through email srakshit@mnnit.ac.in.

Note:

- [1] The applicant will be responsible for the authenticity of information, other documents and photographs submitted.
- [2] The institute reserves the right to reject application at any time and consider candidates of exceptional credentials without applications.
- [3] Mere, possessing the prescribed qualification does not ensure that the candidate would be called for Interview. The Candidates will be shortlisted on the basis of merit and need of the project.
- [4] Shortlisted Candidates will be informed by e-mail about the interview date. So, the candidate must provide valid Email IDs in their applications.
- [5] Shortlisted candidates have to present themselves for the interview on the interview date with updated CV, publications if any and original and attested photocopies of mark sheets/ certificates in support of their academic qualifications.
- [6] Applicants in employment (private, government or any other organization) are required to submit a “No Objection Certificate” from the employer at the time of interview.
- [7] No TA/DA will be paid for appearing in the interview.

Principal Investigator: Dr. Soumyadipta Rakshit, Assistant Professor, Department of Chemistry, MNNIT Allahabad.

Email: srakshit@mnnit.ac.in



अधिष्ठाता (शोध एवं परामर्श) कार्यालय
मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद
प्रयागराज- 211004 (भारत)

OFFICE OF THE DEAN (RESEARCH AND CONSULTANCY)
MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
Prayagraj – 211 004 (India)
Website: <http://www.mnnit.ac.in>

For office use only

Application No.....

Dated.....

APPLICATION FORM

Advertisement No. 78/Chem/2026-27

Dated- 05/06/2026

Research Project Entitled	Smartphone-Integrated Quantum Dot Fluorometric Biosensor for Rapid On-Site Detection of Helicobacter pylori	Self-Attested recent passport size Photograph
Sanction letter & Date	ANRF/ECRG/2025/002671/CS & 03/06/2026	
Funding Agency	Anusandhan National Research Foundation (ANRF)	
Name of P.I.	Dr. Soumyadipta Rakshit	
Name of position	Junior Research Fellow (On Contract)	
Department/Section	Department of Chemistry	

1.	Name of the Candidate (In Capital letters)					
2.	Sex (Male/Female)					
3.	Marital Status (Married/Unmarried)					
4.	Date of Birth					
5.	Age as on last date of application	_____ Years _____ Months _____ Days				
6.	Father's/Husband's Name					
7.	Present/Contact Address					
8.	Permanent Address					
9.	Mobile No.					
10.	E-mail					
11.	Nationality / State					
12.	Category	Gen/SC/ST/OBC/PH _____(enclose Self-attested copy of certificate) and women				
13.	GATE/CSIR-UGC NET/GPAT	GATE/CSIR-UGC NET/GPAT: Yes / No; Roll. No.: _____, Year: _____, Score/Rank _____				
14.	Educational Qualification					
	Qualification	Subject/Discipline	Board/Institute/Univ.	Year	% of marks/CPI	Div.
	10 th or equivalent					
	12 th or equivalent					
	Diploma, if any					
	Undergraduate					
	Postgraduate					

15.	Details of Experience in chronological order. Enclose a separate sheet duly authenticated under your signature if necessary						
Organization	Position	Salary/Emoluments	Nature of Duties	Nature of appointment	Period of Experience		
					Year	Month	Days
16.	Research Publications (Attach list): -			Numbers			
	SCI Journals						
	Scopus Indexed Journals						
	Non-SCI Journals						
	International Conference/Seminar/ Symposium Proceeding						
	National Conference/Seminar/Symposium Proceeding						
17.	Any other information						
18.	Indicated whether you propose to register for a higher degree* at MNNIT, Allahabad. Yes/No (Name of higher degree is Ph.D.)						

Note:- *Those candidates who wish to be admitted as student for a higher degree must fulfil at least the minimum eligibility for the respective admission as available on the Institute website.

DECLARATION

I hereby declare that all the statements made in this application are true and complete and nothing has been concealed/ distorted. I am aware that, if at any time I am found to have concealed/distorted any material information, my engagement is liable to be summarily terminated without notice.

Place:

Signature of the Applicant

Date:

Enclosure-Self attested copy of documents

1. Proof of Date of Birth.
2. Mark sheets & certificates of all the examinations passed.
3. Category Certificate, if applicable.
4. GATE / NET / GPAT score card, if passed.
5. Experience certificate, if any.
6. List of Research Publications (Journals and Conferences), if any.