



रासायनिक अभियंत्रण विभाग
मोतीलालनेहरुराष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद
प्रयागराज- 211004 (भारत)
Chemical Engineering Department
Motilal Nehru National Institute of Technology Allahabad
Prayagraj-211004 (India)

Advertisement No-1/CHE/HS/205

Dated- 17 June 2025

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 **"Ionizing radiation and enzymatic induced modification of Gum Ghatti, an underutilized indigenous agro-product, to enhance its emulsification and nutraceutical delivery properties "** Sanction No55/14/01/2025-BRNS dated 4 June 2025 sponsored by DAE BRNS.

The duly completed application on prescribed format along with copies of supporting documents and a photo may reach to **The Dean (Research & Consultancy), Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004 (U.P.) India on or before 03 July 2025**. The envelope should be super scribed as **"Application for the post of Junior Research Fellow (JRF) (on contract) in the Project "Ionizing radiation and enzymatic induced modification of Gum Ghatti, an underutilized indigenous agro-product, to enhance its emulsification and nutraceutical delivery properties"**. A soft copy of the application **must be** sent to hsingh@mnnit.ac.in and sn5@mnnit.ac.in email addresses of **Dr. Harinder Singh(PI) and Dr. Sangeeta Negi(Co-PI)**.

Description and Objectives of the Project: Gum ghatti is one of the versatile yet an underutilized indigenous gum with applications in fields like food, pharmaceutical industries. The aim of the project is to increase the functionality of gum by radiation and enzymatic routes for applications in the challenging fields of food emulsions and nutraceuticals delivery. The project may also involve visit to BRNS labs in India for carrying out some part of the research work. The position is purely temporary and will be governed by the funding agency rules & service conditions of Office of the Dean (Research & Consultancy), **Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004 (U.P.) India.**

- Number of Position** : 1 (One)
- Essential Qualifications** : B. Tech./ M.Tech/M.Sc. in Chemical Engineering, Food Science, Biotechnology, Food Technology, Biochemical/Process Engineering, Microbiology, Chemistry, Biochemistry, Life Sciences, Agriculture Engineering, and any other related disciplines **preferably** with GATE/NET
- Desirable Experience** : Research experience in the fields of microbiology, emulsions, food science and technology, chemical/biochemical engineering, biotechnology and any other related disciplines may be preferred
- Fellowship** : Rs. 37,000.00 per month (Consolidated) + HRA (applicable as per the Institute rules) for first two years and Rs.42000/- for third year as SRF based on the performance.
- Other Benefits** : Accommodation may be available as per the availability and the Institute norms. Candidate selected for the JRF may **register for Ph.D.** if eligibility conditions as set by institute is met by him/her. The candidates may refer MNNIT Allahabad website for detailed eligibility criteria. Facility of yearly leave, medical benefits etc. may be available as per applicable rules of the project staff of MNNIT Allahabad.
- Upper Age Limit** : 28 years and age relaxation upto 5 years for SC/ST/OBC/Women/Differently abled candidates
- Tenure of Appointment** : Appointment will be made on contract basis for a period of one year initially, which may be extended depending on the performance evaluation on yearly basis till the end of project.

Note:

1. The applicant will be responsible for the authenticity of information, other documents and photographs submitted.
2. The staff appointed for the BRNS funded projects shall be Indian national and holder of Indian Passport. The Passport has to be brought at the time of interview.
3. The Institute reserves the right to accept application at any time, and consider candidates of exceptional credentials without online/offline/ applications or applications.
4. Qualification and experience may be relaxed by the Institute at any point of time for otherwise exceptional candidates.
5. 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 needs of the project.
6. Shortlisted Candidates will be informed by e-mail about the interview date. So, the candidate must provide valid e- mail IDs in their applications.
7. **The mode of interview will be hybrid and informed to the shortlisted candidates only via the email id provided in the application form.**
8. 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.
9. No TA/DA will be paid for appearing in the interview.

Name of Project Investigator(PI) : Dr. Harinder Singh

Designation :Associate Professor
Department :Chemical Engineering
Mobile no: : 9936393111

Name of Co-Project Investigator(Co-PI) : Dr Sangeeta Negi

Designation :Professor
Department :Biotechnology



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Chemical Engineering Department
Motilal Nehru National Institute of Technology Allahabad
Prayagraj-211004 (India)
Website: <http://www.mnnit.ac.in>

For office use only

Application No.....

APPLICATION FORM

Advt.No.....

Dated.....

Research Project Entitled- Ionizing radiation and enzymatic induced modification of Gum Ghatti, an underutilized indigenous agro-product, to enhance its emulsification and nutraceutical delivery properties

Sanction letter & Date- 55/14/01/2025-BRNS & 4 June 2025

Funding Agency- Board of Research in Nuclear Sciences (BRNS)

Name of P.I. - Dr. Harinder Singh

Name of position- Junior Research Fellow (JRF) (on contract)

Department/Section- Chemical

**Self Attested
recent passport
size Photograph**

1.	Name of the Candidate (In Capital letter)					
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					
12	Category	Gen/SC/ST/OBC/PH _____ (enclosed attested copy of certificate)				
13	NET/GATE	Valid up to _____ Score/Rank _____				
14	Educational Qualification					
	Qualification	Subject/Discipline	Board/Institute/Univ.	Year	% of marks	Div.
	10th					
	12th					
	Graduation					

(B.Tech/BSc/Other)					
Post Graduation(M.Tech/MSc/Other)					
Other					

***Title of UG/P.G.**

Thesis:.....

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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):- if any			Numbers		
i) Research Publications						
ii) International/ Conference/Seminar / Symposium Proceeding						
iii) National Conference/Seminar /Symposium Proceeding						
iv) An attached write-up of understanding about objectives this project in ~ 300 words)						
17	Any other information					
18	Indicated whether you propose to register for higher degree* at MNNIT, Allahabad. Yes/No (Name of degree)					

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:
Applicant
Date:

Signature of the

Enclosure-Self attested copy of documents

1. Proof of Date of Birth
2. Indian passport copy
3. Mark sheets & certificates of all the examination passed
4. Category Certificate, if applicable
5. NET/GATE score card, if passed
6. Experience support, if any
7. CV