



जय प्रौद्योगिकी विभाग  
मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान, इलाहाबाद  
प्रयागराज -211004, उत्तर प्रदेश, भारत  
Department of Biotechnology  
Motilal Nehru National Institute of Technology Allahabad  
Prayagraj-211004, U.P., India



Advertisement No- .../2022/Project Staff

Dated-2.03.2022

**Advertisement for the Post of Junior Research Fellow (On Contract)**  
**Walk In Interview**

Applications are invited from Indian nationals for the post of Junior Research Fellow (on contract) in research project entitled "Engineering adhesive CeO<sub>2</sub>-Pd nanozyme as effective antibiotics towards bacteria killing" sanction letter no. F.No. CRG/2021/002954 dated 10/02/2022 sponsored by SERB, GOI, New Delhi.

The duly completed application (soft copy in any form) on prescribed format along with scanned copies of supporting documents must reach to email id: [seemanara@mnnit.ac.in](mailto:seemanara@mnnit.ac.in) (email id of Dr Seema Nara, Department of Biotechnology) with the subject of the email as "Application for JRF (on contract) in SERB-CRG Project" on or before 23/03/2022, 5.00 PM (IST).

**Description and Objectives of the Project:** Here, CeO<sub>2</sub> and Pd based nanozymes will be synthesized with high bacteria capture ability as well as high pro-oxidative catalytic activity. The engineered nanozymes will be evaluated for its specific antibacterial activity on chosen cell lines. The project is for duration of three years. The position is purely temporary and will be governed by the funding agency rules & service conditions of Office of the Dean (Research & Consultancy), MNNIT Allahabad.

**Number of Position** : 1 (One)

**Essential Qualifications** : M.Tech./M.Sc. in Biotechnology, Microbiology, Nanotechnology, Life Sciences, Biochemistry, Molecular Human Genetics, Molecular Biology or any relevant discipline suitable to the work proposed in the project. NET and/or GATE qualified

**Desirable Experience:** 75% marks or equivalent CGPA in M.Sc. or 65% marks or equivalent CGPA in M.Tech. One year research experience in related area.

**Fellowship** : Rs. 31,000.00 per month + HRA as per norm

**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 are met by him/her. Facility of yearly leave, carryover leave, medical benefits etc. may be available as per applicable rules of the project staff.

**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** : 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 (February 2025).

**Note:**

1. The applicant will be responsible for the authenticity of information, other documents and photographs submitted.
2. The Institute reserves the right to accept application at any time, and consider candidates of exceptional credentials without applications.
3. Qualification and experience may be relaxed by the Institute at any point of time for otherwise exceptional candidates. 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.

*seema*



जय प्रौद्योगिकी विभाग  
मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान, इलाहाबाद  
प्रयागराज -211004, उत्तर प्रदेश, भारत  
Department of Biotechnology  
Motilal Nehru National Institute of Technology Allahabad  
Prayagraj-211004, U.P., India



4. Shortlisted Candidates will be informed by e-mail about the interview date. So, the candidate must provide valid E -mail 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. **Due to COVID-19 the mode of interview will be informed to the shortlisted candidates via the email id provided in the application form.**
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.

Name of Principal Investigator : Dr. Seema Nara  
Designation : Associate Professor  
Department : Biotechnology

*Seema*



जैव प्रौद्योगिकी विभाग  
मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान, इलाहाबाद  
प्रयागराज -211004, उत्तर प्रदेश, भारत  
Department of Biotechnology  
Motilal Nehru National Institute of Technology Allahabad  
Prayagraj-211004, U.P., India



**For office use only**

Application No.....

**APPLICATION FORM**

Advt.No.....

Dated.....

Research Project Entitled	Engineering adhesive CeO <sub>2</sub> -Pd nanozyme as effective antibiotics towards bacteria killing	Self Attested recent passport size Photograph
Funding Agency	SERB, New Delhi	
Name of P.I.	Dr. Seema Nara	
Name of Position	Junior Research Fellow (on contract)	
Department/Section	Biotechnology	

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/State	
12.	Category	Gen/SC/ST/OBC/PH _____ (enclosed attested copy of certificate) and women
13.	NET/GATE	A. NET: Yes / No; Roll. No.: _____, Year: _____, Score/Rank _____ B. GATE: Yes / No; Roll. No.: _____, Year: _____, Score/Rank _____
14.	Educational Qualification	
	<b>Qualification</b>	<b>Subject/Discipline</b>
		<b>Board/Institute/Univ.</b>
		<b>Year</b>
		<b>% of marks</b>
		<b>Division</b>
	10th or equivalent	
	12th or equivalent	
	Diploma, if any	
	B.Sc./B.E./B.Tech.	
	M.Sc.	
	M.Phil./M.E./M.Tech*	
	Any other degree (if any)	

\*Title of M.Sc./M.Tech. Thesis.....



जैव प्रौद्योगिकी विभाग  
मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान, इलाहाबाद  
प्रयागराज -211004, उत्तर प्रदेश, भारत  
Department of Biotechnology  
Motilal Nehru National Institute of Technology Allahabad  
Prayagraj-211004, U.P., India



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 :							
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 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 higher degree must fulfill 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:

Date:

(Signature of the Applicant)

Enclosure- Self attested copy of documents

1. Proof of Date of Birth
2. Mark sheets & certificates of all the examination passed
3. Category Certificate, if applicable
4. NET/GATE score card, if passed
5. .+.
6. -+Experience certificate, if an

*Reema*