



मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद
प्रयागराज-211004 [भारत]
Motilal Nehru National Institute of Technology Allahabad
Prayagraj-211004 [India]

Advertisement No: 1431/2023/Project Staff

Dated- 30/08/2023

Advertisement for the Post of Junior Research Fellow (On Contract)

Applications are invited from Indian nationals for the post of **Junior Research Fellow (JRF) (on contract)** in research project entitled “**Development of a co-culture strategy for enhanced production of streptomycin using a hollow fiber membrane bioreactor**” File No. SRG/2021/001561 dated 04-01-2021 sponsored by DST-Science and Engineering Research Board (SERB), Gov. of India, New Delhi.

The duly completed application on prescribed format along with copies of supporting documents must reach to, **The Dean (Research & Consultancy), Motilal Nehru National Institute of Technology, Allahabad, Prayagraj-211004 (U.P.) India** on or before **19/09/2023**. The envelope should be super scribed as “**Application for the post of Junior Research Fellow (JRF) (on contract)** in the Project “**Development of a co-culture strategy for enhanced production of streptomycin using a hollow fiber membrane bioreactor**”. A soft copy of the application should also be sent to rupika@mnnit.ac.in email address of **Dr. Rupika Sinha**.

Description and Objectives of the Project: The project is aimed at exploring the role of microbial interaction as elicitor for antibiotic production. It is focused on determining the effect of interaction between Streptomyces sp. and its antagonists on Streptomycin production. The objectives include unraveling the effect of co-culture on Streptomycin production and evaluate the process in a hollow fiber membrane bioreactor.

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 : M. Tech/ M.Sc. in Biotechnology, Biochemical Engineering, Bioprocess Technology, Microbiology, Life Sciences, Chemical Engineering, Botany, Zoology etc. and any other related disciplines with **GATE/NET qualified**

Desirable Experience : Experience in analytical techniques such as UV spectroscopy, SEM, HPLC etc will be preferred.

Fellowship : **Rs. 31,000.00** per month (Consolidated) + HRA

Other Benefits : Candidate selected for the JRF may register for Ph.D. if eligibility conditions as set by institute (CPI 6.5 or 60% marks in M. Tech. and CPI 8.0 or 75% marks in M.Sc.) is met by him/her. Facility of yearly 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 or date of completion of project, whichever is earlier.

PTO

Rupika Sinha

Tenure of Appointment: Appointment will be made on contract basis for period of one year or termination the project whichever is earlier.

- 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. Qualification and experience may be relaxed by the Institute at any point of time for otherwise exceptional candidates.
 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 e- mail IDs in their applications.
 5. Shortlisted candidates have to present themselves for the interview on the interview date with updated CV and original and attested photocopies of mark sheets/ certificates in support of their academic qualifications. **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.

Rupika Sinha

Name of Project Investigator(PI) : **Dr. Rupika Sinha**
Designation : Assistant Professor
Department : Biotechnology



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For office use only

Application No.....

APPLICATION FORM

Advt.No: 1431/2023/Project Staff

Dated: 30/08/2023

Research Project Entitled- Development of a co-culture strategy for enhanced production of streptomycin using a hollow fiber membrane bioreactor						Self Attested recent passport size Photograph
Sanction letter &Date- File No. SRG/2021/001561 Dated: 04-01-2021						
Funding Agency- DST SERB, Gov. Of India New Delhi						
Name of P.I. - Dr. Rupika Sinha						
Name of position- Junior Research Fellow (JRF) (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					
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					
	Post Graduation					
	Other					

*Title of 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	Have you handled the bioreactor? (Y/N)	
	Have you carried out the microbiological experiments for identification and charecterization of microbes? (Y/N)	
	Do you have experience of optimization of fermentation process by using statistical techniques? (Y/N)	
	Do you have experience of purification of fermentation broth? (Y/N)	

18	Any other information	
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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. Experience certificate, if any