



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

Advertisement No- 01/2022/JRF

Dated- 07/07/2022

**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 aerobic granular sludge based biological treatment system for treating pharmaceutical wastewater"** Sanction No. 56/14/02/2022-BRNS/10224 dated 02/06/2022 sponsored by DAE- Board of Research in Nuclear Sciences (BRNS), Gov. of India.

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 28/07/2022 i.e. 21 days from the date of advertisement). The envelope should be super scribed as **"Application for the post of Junior Research Fellow (JRF) (on contract) in the Project "Development of aerobic granular sludge based biological treatment system for treating pharmaceutical wastewater"**. A soft copy of the application should also be sent to [joyabrata@mnnit.ac.in](mailto:joyabrata@mnnit.ac.in), [joyabrata2006@gmail.com](mailto:joyabrata2006@gmail.com) email address of **Dr. Joyabrata Mal**.

**Description and Objectives of the Project:** The project is aimed to assess the removal of different classes of pharmaceutical compounds (PhCs) including antibiotics, analgesics and NSAIDs in wastewater using AGS-SBR and evaluate the impact of long-term exposure of these PhCs on the AGS and overall reactor performance. Demonstration of the treatment of PhCs containing wastewater using AGS at Prototype-level in lab and semi-pilot bioreactors will be done. 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, Environmental Biotechnology, Biochemical engineering, Microbiology, Life Sciences, Molecular Biology, Biochemistry, Agriculture Biotechnology, and any other related disciplines with **GATE/NET qualified**

**Desirable Experience** : Research experience in biological wastewater treatment, bioremediation, bioreactor and any other related disciplines **with GATE /NET qualified**

**Fellowship** : **Rs. 31,000.00** per month (Consolidated) + HRA (if applicable) as per extant BRNS guidelines

**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 (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, which may be extended depending on the performance evaluation on yearly basis till the end of project. Project will end in March 2025.

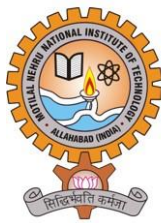
**Tenure of Appointment:** Appointment will be made on contract basis for extended period of the project, which may be extended depending on the performance evaluation.

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.
4. 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.
5. Shortlisted Candidates will be informed by e-mail about the interview date. So, the candidate must provide valid e- mail IDs in their applications.
6. 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. **Due to COVID-19, the mode of interview will be informed to the shortlisted candidates via the email id provided in the application form.**
7. 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.
8. No TA/DA will be paid for appearing in the interview.

Name of Project Investigator(PI) : Dr. Joyabrata Mal  
Designation : Assistant Professor  
Department : Biotechnology

*J. Mal*  
04.07.2022



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Department of Biotechnology  
Motilal Nehru National Institute of Technology Allahabad  
Prayagraj-211004, U.P., India

Website: <http://www.mnnit.ac.in>

**For office use only**

Application No.....

**APPLICATION FORM**

**Advt.No**.....

**Dated**.....

<b>Research Project Entitled-</b> Development of aerobic granular sludge based biological treatment system for treating pharmaceutical wastewater
<b>Sanction letter &amp;Date-</b> File No. 56/14/02/2022-BRNS/10224 Dated: 02-June-2022
<b>Funding Agency-</b> DAE-BRNS, Gov. Of India
<b>Name of P.I. -</b> Dr. Joyabrata Mal
<b>Name of position-</b> Junior Research Fellow (JRF) (on contract)
<b>Department/Section-</b> Biotechnology

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					
	<b>Qualification</b>	<b>Subject/Discipline</b>	<b>Board/Institute/Univ.</b>	<b>Year</b>	<b>% of marks</b>	<b>Div.</b>
	10th					
	12th					
	Graduation (B.Tech/BSc/Other)					
	Post Graduation (M.Tech/MSc/Other)					
	Other					

\*Title of P.G. Thesis:.....  
.....

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:  
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 support, if any