



Advertisement for the post of JRF in a DST-IC-IMPACTS funded Research Project

Applications are invited from suitable candidates for Junior Research Fellow (JRF) to work on the research project sponsored by DST-IC-IMPACTS (DST/IC/IC-IMPACTS/2022/P-2(G)), under the supervision of **Dr. Prangya Ranjan Rout (PI), Department of Biotechnology, NIT Jalandhar**

Title of the project: Phosphorus recovery from wastewater for safeguarding global phosphorus sustainability and food security: Denitrifying phosphorus accumulating organisms (DPAOs) have the merits

Duration of the project: 2 years (till 20th November 2025)

Initial appointment (ON PURELY TEMPORARY BASIS) is for one year, which is extendable up to two years or project durations whichever is earlier based on the performance.

Project position and Number: JRF (01)

Fellowship amount: Rs. 37,000/- + HRA as per institute/project norms.

Eligibility requirements: GATE qualified candidates with M.Tech in Biotechnology or equivalent in Bioprocess Engineering/ Biochemical Engineering/ Environmental Engineering or related branch with B.Tech/B.E. in Biotechnology or allied areas.

The GATE qualification can be relaxed for experienced and exceptional candidates

Desirable Knowledge: Bioreactor Design, Bioprocess Development, Environmental Microbiology, Kinetic and Statistical Modeling, Biological Nutrient Removal and Recovery

Age Limit: Preferably below 32 years, age relaxation may be given to experienced, and exceptional PhD candidates

Job Profile: In this project, selected candidate will be working on:

- I. Isolation, characterization, and enrichments of the denitrifying phosphate accumulating organisms (DPAOs):
- II. Isolation, characterization and enrichments of the DPAOs:
- III. Design and development of single unit bioreactors (SUBs) for DPAOs culturing:
- IV. Techno-economic assessment and field scale study of SUBs

Interested candidates with the above-mentioned qualification can send the applications in the given format, including a cover letter and resume with detailed information about the educational qualifications, research experience and publications (if any) in the prescribed format in a single pdf file, by **12th February 2024 to the Principal Investigator, Dr. Prangya Ranjan Rout** via email: routpr@nitj.ac.in

Please use subject line: Application for JRF position.

Please note that only shortlisted candidates will be informed for interview to be held online.

Selected candidate may be permitted to register for Ph.D. program at NIT Jalandhar subject to the fulfillment of Institute norms.

Note:

- ❖ The appointment of the JRF will be purely temporary/ ad-hoc /contractual basis and valid for the above period as mentioned above or until the services are required by the Project PI, whichever is earlier.
- ❖ The services of the JRF will be liable to termination at any time without any notice and without assigning any reason.
- ❖ The appointment shall be specifically for the aforesaid project and staff member will not have any claim / right on any post in the Institute.
- ❖ Only short-listed candidates will be communicated to appear in the interview and no other communications in this regard will be entertained.
- ❖ Mere possession of minimum qualification does not guarantee an invitation to the interview. Candidates will be short listed based on their merit and as per the requirement of the project.
- ❖ LAST DATE OF SUBMISSION OF ONLINE APPLICATION IS 12th FEBRUARY 2024.
- ❖ Candidates need to email their documents (in a single pdf file) along with the application form to routpr@nitj.ac.in mentioning subject in email: “APPLICATION FOR THE JRF POSITION”.
- ❖ Hardcopy of the application form and documents are not required for applying the post. However, selected candidate is required to bring all original documents along with them at the time of joining for verification.
- ❖ The shortlisted candidates will be called to appear in the interview (Online) which is likely to be scheduled in the Last Week of February 2024. The information of interview will be communicated through email only provided in the application.

**Dr Prangya Ranjan Rout
(Principal Investigator)**

Assistant Professor

Department of Biotechnology

Dr B R Ambedkar National Institute of Technology

G.T. Road, Amritsar Bypass,

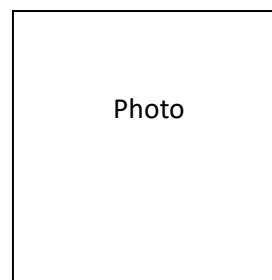
Jalandhar (Punjab), India – 144008

Email ID: routpr@nitj.ac.in

Mobile No.: +91-8917379390

Application form for Junior Research Fellow
Research Project Sponsored by SERB (CRG/2022/006881)

1. Name of the applicant (in full block letters):
2. Father's/Mother's/Guardian's/Husband's Name:
3. Date of birth:
Sex (Male /Female):
Marital status (single/married):
Category: SC/ST/OBC/PWD/General:
4. Address of communication:
Mobile no: _____ Email: _____
5. Educational Qualifications:



(From 10th or equivalent onwards, self-attested copies to be enclosed)

Examination passed	Year of passing	University/Board	Division/ Class % of Marks*	Subjects

6. Professional Experience (if any)

S. No.	Designation	Name of Organization	Period		Nature of Work
			From	To	

7. Research Publication (if any):
8. Awards, patents, prizes etc (if any):
9. Any other information relevant to the post (if any):
10. GATE/NET/Any other: Qualified (Yes/No): Score: _ , Rank: _____, Year ____.
Specialization:
11. Interest in joining the post:
12. Contact details of two referees:
 (1) Name :Designation..... Organization..... Email.....
 (2) Name :Designation..... Organization..... Email.....

DECLARATION: I do hereby declare that the above information furnished by me are true and correct to the best of my knowledge.

Place:

Date:

Signature of the applicant

List of enclosures: