Advertisement for a Junior Research Fellow
Indian Institute of Technology, Ropar
Rupnagar, Punjab 140001

Applications are invited for a junior research fellow position, awarded by Agriculture and Water Technology Development Hub (AWaDH), IIT Ropar, under the project titled "Application of IoT enabled sono-electrocoagulation process to enhance the removal of microplastics from wastewater." The fellow will aim to demonstrate the proof-of-concept (POC) of the feasibility of employing sono-electrocoagulation to remove plastic microbeads present in an industrial effluent stream with enhanced performance using the pilot-scale electrochemical reactor featuring IoT components.

Essential qualifications: ME/M.Tech/MS (by Research)in Chemical Engineering/Technology or any allied branches of chemical engineering with a valid score in GATE. Candidates must have obtained at least 60% marks or 6.5 CGPA (55% marks or 6.0 CGPA for SC/ST) in their Master's.

Desired qualifications: Candidates having good work experience with the synthesis and characterization of nanoparticles, polymeric colloids, water quality analysis will get an advantage.

Duration: Two years. Candidates joining will be encouraged to enroll for PhD (Chemical Engg.) subject to fulfilling the Institute norms and clearance of the interview process.

Salary: A consolidated fellowship 31000 per month will be provided as per the DST norms.

The applicant must send the following documents in a single PDF file to **vijayanand@iitrpr.ac.in** on/before **31.Aug.2022.**

1. A one-page cover letter describing the background and how it will help to pursue this project.
2. Application in the prescribed format as given in **Appendix-1**.
3. Soft copy of all degree certificates.
4. Proof of GATE/CSIR-UGC NET including lectureship.

The selected candidates will be called for an offline/online interview, and, if short-listed, the details of the same will be notified to the candidate at least one week before the interview date.

APPLICATION

1. Name and full correspondence address   :

2. Email and contact number   :

3. Gender   :

4. Date of Birth   :

5. Marital status   :

6. Category   :

7. Nationality   :

8. Whether differently abled   :

9. Academic qualification   :

Qualification	Subject	Institute/Board/Univ.	Year of passing	% Marks/CGPA
10th				
12th				
BE/B.Tech				
ME/M.Tech				

10. Work experience in chronological order:

S. No.	Positions held	Name of the Institute/Industry	From	To	Pay Scale (Rs.)

11. Indicate whether you propose to register for higher degree at IIT Ropar, Punjab.

    Yes/No   :

    (Name of higher degree is PhD)

12. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.

S. No.	Name of Award	Awarding Agency	Year

13. Research Publications *(List of papers published in SCI Journals, in year wise descending order).* *(Maximum of Best 5)*

S. No.	Author (s)	Title	Name of Journal	Volume	Page	Year
1.						
2.						
3.						
4.						
5.						

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: Signature of Applicant
Date: