



## **Advertisement for a postdoctoral position**

**Indian Institute of Technology, Ropar (IIT Ropar)**

**Department of Chemical Engineering, Nangal Road, Transit  
Campus, Rupnagar, Punjab 140001**

Applications are invited for an institute postdoctoral research position in the Department of Chemical Engineering, IIT Ropar, under the project titled “A combined effect of complexation behavior of biopolymers and self-assembly behavior of oppositely charged particles (OCPs) to influence the stabilization of water-in-water (W/W) Pickering emulsion.” The fellow will aim to develop a strategy to make a stable emulsion gel with improved resistance to deformation.

**Essential qualifications:** PhD in Chemical/ Materials/Polymer/ Bio Engineering/Technology or PhD in Chemistry/Physics with a good academic record. 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, and rheology of dispersions will get an advantage.

**Duration:** It will be given initially for one year, which can be extended further based on the evaluation of the performance by the principal investigator.

**Salary:** A consolidated fellowship between 45000-55000/ month will be provided based on the experience and qualification of the candidate.

The applicant must send the following documents in a single PDF file to [mani@iitrpr.ac.in](mailto:mani@iitrpr.ac.in) (Dr. Manigandan) on/before **31.Aug.2021** (The deadline has been extended from **23.08.2021 to 31.08.2021**).

1. A one-page cover letter describing the background and how it will help to pursue this project.
2. Application in prescribed format as given in **Appendix 1**
3. Soft copy of all degree certificates.
4. Proof of GATE qualification, if any.

Apart from the above documents, the candidate must also arrange to send at least two letters of recommendation (One preferably from a Ph.D. supervisor).

**The selected candidates will be called for an online interview, and the details of the same will be notified to the candidate one week before the finalized date.**

For any further information, please contact the principal investigator:

Dr. S. Manigandan  
Department of Chemical Engineering, IIT Ropar  
Room no. 303, Transit Campus 1, Nangal Road, Rupnagar, Punjab 140001  
Email: [mani@iitrpr.ac.in](mailto:mani@iitrpr.ac.in)





भारतीय प्रौद्योगिकी संस्थान रोपड़  
रूपनगर – 140 001, पंजाब, भारत

**INDIAN INSTITUTE OF TECHNOLOGY  
ROPAR**  
Rupnagar, Punjab – 140 001, India

**Details of Educational/Professional/Technical Qualifications (from Matriculation onward):**

Sr. No.	Degree	Discipline	University/ College	Regular/ Part time	Year	%age of Marks	Division
1							
2							
3							
4							
5							

**If PhD degree not awarded, please give whichever applicable:**

Date of thesis submission: .....  
Likely date of submission: (in case not submitted yet)

**Title of Thesis**

.....  
.....

**Specialization, in terms of Broad Area of Specialization and Exact Area of Specialization:**

(a) Subject	(b) Broad Area of Specialization	Exact Area of Specialization

**Publications and Patents: (Please attach list of publications and patents with full references and reprints or photocopies bearing serial numbers corresponding with those in the list)**

(a) No. of Papers (i) Published .....(ii) Accepted  
.....  
(b) No. of Books published .....,  
(c) No. of patents: (i) Filed: ..... (ii) Granted  
.....

**Prizes, Honours, Awards, Distinctions, if any:**

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**Fellowships held:**

Name of fellowship	Name of the sponsoring agency	Date		Amount	Name of the Host Institute
		From	To		

**Give details of employment, if any**

Sr. No.	Name of the Organization	Designation	Period		Nature of Work
			From	To	

**Title of proposed Research and Development Project:**

.....  
.....

(Describe in detail, on a separate sheet, the Research or Development Project you would like to pursue, along with year-wise plan of work for at least two years. The project should be made in consultation with the mentor with whom you propose to work)

**List of Enclosures: (Please tick)**

1. Proof of thesis submission.
2. List of Publications.
3. Plan of work at IIT Ropar (2 A4 pages max).
4. Recommendation letter 1 (from PhD Supervisor)



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5. Recommendation letter 2.

## DECLARATION

I hereby declare that I have carefully read the instructions and particulars supplied to me and that the entries made in this application form are correct to the best of my knowledge and belief. If selected for admission, I promise to abide by the rules and discipline of the Institute.

I note that the decision of the Institute is final with regard to selection for admission and assignment to a particular Department and field of study/research. The Institute shall have the right to expel me from the Institute at any time after my admission, provided it is satisfied that I was admitted on false particulars furnished by me or my antecedents prove that my continuance in the Institute is not desirable. I agree that I shall abide by the decision of the Institute, which shall be final.

**Place:**  
**Date:**

**Signature of the Candidate**