



## Advertisement of a JRF position

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

**Department of Chemical Engineering, Nangal Road, Transit campus 1, Rupnagar, Punjab 140001**

Applications are invited for a junior research fellow (JRF) position in the Department of Chemical Engineering, IIT Ropar under the SERB sponsored 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 achieve the formation of stable W/W emulsion droplets with improved resistance to deformation.

**Essential qualifications:** Master's degree in Chemical/ Mechanical/ Materials/ Petroleum/ Polymer/ Bio Engineering/Technology or a Master's degree by Research in Chemical/ Mechanical/ Materials/ Petroleum / Polymer / Bio Engineering/Technology with a GATE or CSIR-UGC NET qualified score. Candidates must have obtained at least 60% marks (or 6.5 Grade Point out of 10) (55% marks for SC/ST) in their Master's. **Note:** Candidates seeking enrolment for the Ph.D. program must have a Master's degree in Chemical/ Biochemical/ Petroleum/ petrochemical/ Polymer Engineering or Technology or a Master's degree by Research in Chemical/ Biochemical/ Petroleum/ petrochemical/ Polymer Engineering or Technology. Also, the candidates must have B. Tech/BE in any of the disciplines mentioned above.

**Desired qualifications:** Work experience in the area of synthesis of nanoparticles, polymeric colloids, rheology of dispersions, etc. 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 salary of **Rs. 31000 / month** will be provided as per the DST norms.

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 **18<sup>th</sup> November, 2020**.

1. A one-page cover letter describing the background and how it will help to pursue this project.
2. Resume with complete qualification and experience details.
3. Soft copy of all degree certificates.
4. Proof of GATE qualification, if any.

**The selected candidates will be called for an online interview during the last week of November or the first week of December 2020.**

For any further information, please contact to the principal investigator:

Dr. S. Manigandan  
Department of Chemical Engineering, IIT Ropar  
Room no. 228, Transit Campus 1, Nangal Road, Rupnagar, Punjab 140001  
Email: [mani@iitrpr.ac.in](mailto:mani@iitrpr.ac.in)