

Advertisement for the Position of Junior Research Fellow (JRF)

15th, May 2023

Applications are invited for the position of Junior Research Fellow (JRF) within a project funded by SERB at Department of Chemical Engineering, IIT Hyderabad.

Name of the post	Junior Research Fellow (JRF)
Sponsoring agency	Science and Engineering Research Board (SERB)
Number of vacancies	One (1)
Project Title	Designing Colloidal Gels of Tuneable Elasticity
Job description	This project is on assembling micron-sized polymeric particles, referred to as colloids, into gel networks and understanding the parameters that can be adjusted to tune the gel's elastic modulus. The project will involve synthesis of colloids, imaging the gel using microscopy, measuring gel microdynamics using dynamic light scattering and developing image processing codes for quantifying gel microstructure. The candidate can choose to focus on different aspects of the project as per their interest.
Qualifications	Essential: M. Tech. in Chemical/Polymer Engineering/Polymer Technology or similar Engineering/Technology disciplines. Candidates with exceptional B. Tech Chemical/Polymer Engineering background are also encouraged to apply. Desirable: Valid GATE score. Experience in wet-lab projects, specifically in handling polymers and colloids. Experience in characterization techniques of polymers and colloids.
Age limit	35 years (can be relaxed based on applicant's experience and provisions)
Appointment period	12 months (extendable based on performance).
Pay	As per Government of India and SERB norms (Rs 31,000 + HRA)
How to apply	Interested candidates may send the following items to maheshg@che.iith.ac.in with subject line as JRF-SERB application. 1) Cover Letter, 2) CV & 3) a max 1 Page Statement of Interest. Shortlisted candidates will be contacted via email for further assessment.
Application Deadline	June 02, 2023

Additional Information: Interested candidates can contact Dr. Mahesh Ganesan at maheshg@che.iith.ac.in for any queries related to the project and/or the position.