



## OFFICE OF THE DoRD

No. IITGoa/DoRD/14/REC/2025

Date: 18.06.2025

## ADVERTISEMENT FOR JUNIOR RESEARCH FELLOW

Applications are invited for the position of Junior Research Fellow to work under the project titled “Modelling deformations in 2D materials using paramagnetic dipolar colloids” in the School of Chemical and Materials Sciences, IIT Goa. The project is sponsored by the Anusandhan National Research Foundation (ANRF).

<b>Nature of work</b>	The project involves a combination of experimental and theoretical research. The experimental component includes the preparation and manipulation of paramagnetic colloidal particles, optical microscopy-based tracking, and sample preparation under controlled magnetic environment. The theoretical work includes modeling inter-particle interactions, simulating deformation in 2D colloidal crystals.
<b>Area of Specialization /Research Area</b>	Applicants with a background in Chemical, Mechanical, Nanotechnology with experience soft matter physics, colloids, statistical mechanics, or nanomaterials are encouraged to apply. Prior experience in experimental soft matter systems, microscopy, and/or numerical simulations (e.g., MATLAB, Python, or molecular dynamics) will be preferred.
<b>No. of Position</b>	<b>One (1)</b>
<b>Duration of Appointment</b>	One year, with the option to extend further
<b>Eligibility</b>	<p><b>Essential Qualification:</b></p> <ul style="list-style-type: none"> <li>➤ B.E /B.Tech/M.Tech in Chemical Engineering/ Nanotechnology/ Mechanical Engineering /Electrical Engineering or relevant branch with qualified GATE /NET or JRF of CSIR.</li> </ul> <p style="text-align: center;">or</p> <ul style="list-style-type: none"> <li>➤ M.Sc in physics with a minimum of 60% marks or equivalent CGPA with with qualified GATE /NET or JRF of CSIR.</li> </ul> <p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>➤ Experience in the lab, experience with MATLAB</li> </ul>
<b>Salary</b>	37,000/- Per Month.
<b>HRA</b>	As per funding agency norms.
<b>Medical benefits</b>	As per the Institute norms.
<b>Leave entitlements</b>	As per the Institute norms.
<b>How to apply</b>	Interested eligible candidates can apply by filling out the form below with relevant details. <a href="https://docs.google.com/forms/d/e/1FAIpQLSddjtOCpy5mcvWpsArjiCRnb_HrEIQ5EI-54yx81tEaYw1iJQ/viewform?usp=dialog">https://docs.google.com/forms/d/e/1FAIpQLSddjtOCpy5mcvWpsArjiCRnb_HrEIQ5EI-54yx81tEaYw1iJQ/viewform?usp=dialog</a>
<b>Last date of application</b>	02.07.2025, 05:00 PM. For any update regarding the last date of submission of the application, candidates must visit: <a href="https://iitgoa.ac.in/project-position/">https://iitgoa.ac.in/project-position/</a>

**GENERAL INSTRUCTIONS**

1. If the number of applications received in response to the advertisement is large, the constituted selection committee may restrict the number of candidates to be called for selection to a reasonable limit of desirable qualification and /or on the record of academic performance and/or any other benchmark decided by a committee constituted to screen the applications. No communication will be entertained with candidates who are not called for selection.

2. If the applicants have any questions, they can write to [res-staff-rect@iitgoa.ac.in](mailto:res-staff-rect@iitgoa.ac.in) and in the subject they have to mention the Institute project number “**2025/EMR/KJ/077**”.
3. Informal inquiries via email may be made with PI: Dr. Kedar Joshi, Assistant Professor, School of Chemical and Materials Sciences: [kedar@iitgoa.ac.in](mailto:kedar@iitgoa.ac.in)
4. No TA/DA will be admissible for appearing for the selection process.
5. Selected candidates will have to join in a reasonable time upon receipt of the offer.

**Sd/-**  
**Assistant Registrar (R&D)**