



**OFFICE OF THE DoRD**

No. IITGOA/ DoRD/10/REC/2022

Date: 15.09.2022

**RECRUITMENT OF JUNIOR RESEARCH FELLOW**

Applications are invited for the position of JRF under the Project titled “**Machine learning based algorithm for predicting three-dimensional fractal structure of aggregated nanoparticles from microscopy based images and application in characterization of ultrafine particulate matter**” in the School of Mechanical Sciences, IIT Goa. The project is sponsored by Science and Engineering Research Board, Government of India.

<b>Nature of work</b>	The research fellow will be working on developing algorithms for predicting three-dimensional structures from microscopy- based images, for characterizing particulate matter. There will be an experimental component as well, for collecting particulate matter from various combustion sources. Basic understanding of coding in Python/Matlab will be useful.
<b>No. of Position</b>	<b>One</b>
<b>Duration of appointment</b>	6 months.
<b>Eligibility</b>	<p><b>Essential qualification:</b></p> <ul style="list-style-type: none"> <li>- M.E/M.Tech in Mechanical engineering, Chemical Engineering, Environment Engineering and other allied branch.</li> <li>-Exceptional candidates with B.E/B. Tech from the same branches may also be considered</li> <li>- Candidate should be GATE qualified.</li> </ul> <p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>-Candidate with experience in scientific computing will be given preference.</li> <li>-Experience on topics related to particulate matter would be beneficial.</li> </ul>
<b>Salary</b>	Rs.31,000/- P.M.
<b>DA</b>	Not be entitled to DA.
<b>HRA</b>	As per funding agency norms.
<b>Medical Benefits</b>	As per the Institute norms.
<b>Leave entitlements</b>	As per norms
<b>How to apply</b>	Interested candidates can fill the below form. <a href="https://forms.gle/E5vasUyKq47oXDfs6">https://forms.gle/E5vasUyKq47oXDfs6</a>
<b>Last Date of application</b>	30.09.2022 , 5:00 PM ( For any update regarding the last date of submission of application candidates have to visit <a href="https://iitgoa.ac.in/project- position/">https://iitgoa.ac.in/project- position/</a> )

**Additional Instructions:**

1. If the number of applications received in response to advertisement is large. The constituted selection committee may restrict the number of candidates to be called for interview 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 Interview.
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 “**2020/EMR/TT/018**”.

3. Informal inquiries via email may be made with PI- Dr. Thaseem Thajudeen, School of Mechanical Sciences: [thaseem@iitgoa.ac.in](mailto:thaseem@iitgoa.ac.in)
4. The appointment is purely temporary and will terminate automatically without any notice or on termination of the research project.
5. The appointed person shall have no claim of appointment / absorption in funding Agency or in IIT Goa.
6. The qualification prescribed should have been obtained from recognized Universities / Institutions.
7. No TA/DA will be admissible for appearing for the interview.
8. Selected candidates will have to join in a reasonable time upon receipt of the offer.

**Sd/-**  
**Sr. Superintendent (R&D)**