



OFFICE OF THE DoRD

No. IITGoa/DoRD/06/REC/2023

Date: 03.03.2023

**RECRUITMENT FOR JUNIOR RESEARCH FELLOW WITH OPPORTUNITY
FOR JOINING PhD PROGRAM**

Applications are invited for the position of Junior Research Fellow to work under the project titled “Direct Combustion of Metal Fuel” in the School of Mechanical Sciences, IIT Goa. The project is sponsored by Science & Engineering Research Board (A statutory body of the Department of Science & Technology, Government of India).

Nature of work	Applications are invited for the post of Junior Research Fellow (JRF) in the School of Mechanical Sciences, IIT Goa for SERB CRG funded project titled ‘Direct combustion of metal fuels’. The project is affiliated with the CoE-combustion, which was established at IIT Goa with the focus on sustainable combustion and propulsion technologies. The nature of the work will be predominantly experimental. The research fellow will engage in activities such as literature review, design and commissioning of experimental setups, combustion experiments with metal powder fuels, data acquisition and analysis, and theoretical/ analytical modelling. The research fellow will be given a choice to enroll for a PhD position at IIT Goa.
No. of Position	One (1)
Duration of Appointment	One year, with the option to extend further.
Eligibility	Essential qualification: 1. Master’s Degree in Mechanical/Aerospace or related branches with 60% marks or CPI 6/10 or equivalent. (55% marks or CPI 5.5/10 or equivalent for SC/ST). OR Bachelor’s degree in Mechanical/ Aerospace or related branches with 70% marks or CPI 7/10 or equivalent. (65% marks or CPI 6.5/10 or equivalent for SC/ST) 2. Qualified GATE SCORE in the relevant streams (Candidates with Bachelor’s degree must have a valid GATE Scorecard) Desirable: ➤ Strong research aptitude and previous research experience. ➤ Knowledge of combustion and thermos-fluids engineering subjects. ➤ Exposure to flow measuring devices, instrumentation, data acquisition ➤ Exposure to optical/laser diagnostics, combustion/propulsion related experiments ➤ Experience with ANSYS-like CFD software, MATLAB, labview, and python programing ➤ Interested in enrolling for the Ph.D. program
Salary	31,000/- PM for first 2 years. 35,000 PM on 3 rd year.
DA	Not to be entitled to DA.
HRA	As per funding agency norms.

Medical Benefits	As per the Institute norms.
Leave entitlements	As per the Institute norms
How to apply	Interested candidates can fill the below form. https://forms.gle/jF2MuuP9CGLo9gkA7
Last Date of application	2nd April 2023, 05:00 PM 07 th April 2023, 5:00PM For any update regarding the last date of submission of application candidates must visit: https://iitgoa.ac.in/project-position/

General 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 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 and in the subject they have to mention the Institute project number "2023/EMR/AA/053".
3. Informal inquiries via email may be made with PI: Dr. Anirudha Ambekar, Assistant Professor, School of Mechanical Sciences : anirudha@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/-
Sr. Superintendent (R&D)**