



Advt. No.: IITJMU/R&C/2023/A-26

19 Apr 2023

Advertisement for the Position of JRF

Applications are invited from the interested candidates for the post of **Junior Research Fellow (JRF)** to work on the project titled “**Powder bed fusion of Advanced polymers for dental applications**” sanctioned by the Department of Science and Technology under the TDP programme, India.

SI No	Position	Area of Specialization	Duration	Consolidated Salary per Month	Number of Positions
1	Junior Research Fellow	Knowledge and understanding of Additive Manufacturing (Powder bed fusion process), Polymer science	01 year	Rs. 31000/- (p/m + HRA @16%)	01

***Minimum Qualification:**

- Essential Qualification:
 - B.E/B.Tech (Mechanical/Materials/Manufacturing/Production) with 3 years' experience or M.E/M.Tech (Mechanical/Materials/Manufacturing/Production) with at least First division (65% or 6.5 CGPA on 10 point scale) or equivalent at all levels starting from secondary education for essential qualifications.
 - Essential qualification from a recognized technical institute/university as a full-time program.
 - Preference may be given to the candidate having appropriate knowledge of additive manufacturing/ polymer science/polymer processing/biomedical applications
- Desired Qualification:
 1. Knowledge of scientific investigation of new polymer materials using powder bed fusion process, material characterization techniques such as DSC, TGA, DMA and prior experience of additive manufacturing processing and post mortem-analysis is desirable.
- Upper age limit: 30 years

Brief Objective of Project:

Selective laser sintering of advanced polymers. To understand the inter-layer and intra-layer consolidations. Subsequently, testing and analysis of microstructure, mechanical and biological testing.

Job Description:

The selected candidate is expected to work on the material synthesis and characterisation, laser sintering experimental investigation, post-mortem analysis such as microstructure, mechanical and biological properties.

Application Process:

The duly filled application form along with the requested details, scanned copies of certificates, and other supporting documents, should be uploaded through the online portal (<https://apply.iitjammu.ac.in/#/home>) latest by April 30th, 2023. Please apply through the [contract/project staff/JRF/SRF] tab on the referred application portal. Candidates who are already employed should produce a relieving certificate from their employers if selected. The interview will be conducted for all shortlisted candidates.

Attention:

1. The applicant will be responsible for the authenticity of the information, other documents, and photographs submitted.
2. Merely possessing the prescribed qualification does not ensure that the candidate will be called for an Interview. The candidates may be shortlisted based on merit and need for the project.
3. Shortlisted candidates will be informed by e-mail about the interview. So, the candidate must provide valid e-mail IDs, and phone number information in their applications.
4. Shortlisted candidates must present themselves for the interview on the interview date with an updated CV and original and attested photocopies of mark sheets/certificates supporting their academic qualifications. Only shortlisted candidates will be called for the interview. The time of the interview will be informed to the shortlisted candidates by e-mail. The interview will be held using the online platform.
5. Candidates who are already employed should produce a relieving certificate from their employers if selected.
6. The last date for receiving the duly filled-in application is 30th April, 2023, through an online portal.
7. The date of the interview will be informed to the shortlisted candidates through email.

Address for Correspondence:

Dr. V Rajkumar

Indian Institute of Technology Jammu

Department of Mechanical Engineering

Jagti, NH-44 Nagrota Bypass Jammu. 182211

Email: rajkumar.v@iitjammu.ac.in