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भारतीय प्रौद्योगिकी संस्थान इंदौर
सिमरोल, खंडवा रोड,
इंदौर - 453552 (म.प्र.), भारत

IIT Indore

Date: November 4, 2026

Advertisement for the Post of One (01) Junior Research Fellow (JRF)/Project Associate-I(PA-I)

Applications are invited from highly motivated and research-oriented candidates for the position of Junior Research Fellow (JRF) in the Department of Metallurgical Engineering and Materials Science, Indian Institute of Technology Indore, under an externally sponsored research project.

Project Title: Development of Mo-free Duplex Stainless Steel

Funding Agency: Anusandhan National Research Foundation (ANRF)

1. Eligibility Criteria

Candidates possessing any one of the following qualifications are eligible to apply:

Option I: M.E./M.Tech./M.S. in Metallurgy/Materials Science and Engineering/Mechanical Engineering/Manufacturing Engineering/Production Engineering/Nanotechnology/Engineering Science/Engineering Physics/Ceramics Engineering/Electronics/Chemical Engineering/Energy Science and Engineering or a related discipline.

OR

Option II: B.E./B.Tech. in Metallurgy/Materials Science and Engineering/Mechanical Engineering/Manufacturing Engineering/Production Engineering/Nanotechnology/Engineering Science/Engineering Physics/Ceramics Engineering/Electronics/Chemical Engineering/Energy Science and Engineering or a related discipline.

OR

Option III: M.Sc. in Chemistry/Physics/Materials Science or a related discipline.

Candidates must have obtained First Division or an equivalent CGPA/CPI, as defined by the awarding Institute/University.

Preference for qualifying examinations: Candidates with a valid GATE score or qualified national-level examinations (CSIR-UGC NET, DST-INSPIRE, etc.) will be considered for the post of **JRF**. Candidates without GATE/NET qualification are also eligible to apply and will be considered for the position of **Project Associate–I**.

2. Desirable Skills

Candidates with interest and/or experience in one or more of the following areas are encouraged to apply:

- Mechanical behaviour of materials, including high-temperature deformation studies.
- Materials characterization techniques (XRD, SEM, TEM, EBSD, etc.).
- Computational modelling (e.g., ABAQUS or other finite element analysis software).
- Thermodynamic and phase stability analysis (e.g., Thermo-Calc).
- Corrosion behaviour of metallic materials.
- Experimental materials processing, including melting, casting, heat treatment and thermo-mechanical processing.

3. Age Limit

Maximum 32 years. Age relaxation will be applicable as per Government of India norms for SC/ST/OBC/Women/PwD candidates.

4. Fellowship

- **For JRF (with GATE/NET qualification): ₹37,000/- per month + HRA (as per norms).**
- **For Project Associate–I (without GATE/NET qualification): ₹25,000/- per month + HRA (as per DST/ANRF norms).**

5. Duration

Initially for one year, extendable up to three years based on satisfactory performance. The position is co-terminus with the project.

The selected candidate will be strongly encouraged to register for the Ph.D. programme at IIT Indore, subject to fulfilling the Institute's admission requirements.

6. How to Apply?

Interested applicants are requested to submit their detailed CV/resume, along with copies of their academic marksheets/degree certificates and GATE scorecard or other qualifying examination/fellowship certificates, if available, to:

Dr. Chandan Halder
Assistant Professor
Department of Metallurgical Engineering and Materials Science
Indian Institute of Technology Indore
Email: chalder@iiti.ac.in

Email Subject: Application for JRF under ANRF Project

Last Date for Application: November 20, 2026

Only shortlisted candidates will be contacted via email for the interview. The interview is tentatively scheduled to be conducted online during the last week of November 2026.