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

IIT Indore

Date: July 23, 2026

Advertisement for the post of One (01) Junior Research Fellows (JRFs)

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

Funded by: Anusandhan National Research Foundation (ANRF)

Eligibility:

Candidates fulfilling any one of the following criteria are eligible to apply:

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, with a valid GATE score.

OR

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, with a valid GATE score.

OR

M.Sc. in Chemistry/Physics/Materials Science, or a related discipline, with a valid GATE score, UGC-JRF/CSIR-JRF/DST INSPIRE Fellowship (or equivalent), or UGC-NET (LS)/CSIR-NET (LS) qualification.

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

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 (melting, casting, heat treatment, thermo-mechanical processing, etc.)

Age limit: Maximum 32 years (relaxation as per Government of India norms for (SC/ST/OBC/Women/PwD candidates)

Fellowship: INR 37,000/- per month (Consolidated emoluments) + House Rent Allowance (as per norms).

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

The selected candidates will be strongly encouraged to register for the Ph.D. Program at IIT Indore, subject to fulfilling institute requirements.

How to apply?
Interested applicants are requested to submit their detailed CV/resume, along with copies of their valid GATE score card (or equivalent qualifying fellowship/NET certificate, wherever applicable) and the marksheets/degree certificate of their highest qualifying examination, to Dr. Chandan Halder (chalder@iiti.ac.in) with the subject line "Application for JRF under ANRF Project" by August 15, 2026. Only shortlisted candidates will be contacted via email for the interview. The interview is expected to be conducted online during the last week of August 2026.