



भारतीय प्रौद्योगिकी संस्थान इंदौर

खंडवा रोड, सिमरोल, इंदौर - 453552, भारत

Indian Institute of Technology Indore

Khandwa Road, Simrol, Indore 453552, India

IIT Indore

Advertisement for Recruitment of JRF

Advt. No: IITI/RSD/PRJ/2026-27/001		Date: 28/09/2026
Applications are invited from interested and motivated candidates for the post of JRF in a research project as per the following details.		
Position	Junior Research Fellow (JRF)	
Funding Agency Name	DRDE-DRDO	
Number of Vacancies	01 (One)	
Project Title	MXene-based degradation of life-threatening chemicals and toxic industrial gases.	
Department	Metallurgical Engineering and Materials Science	
Duration of the Appointment	The appointment is for 30 months . The appointment is co-terminus with the project, or the candidate does not perform well.	
Job Description	This project work involves the synthesis and development of MXenes and their heterostructures with MOF and Metal Oxides for the degradation and detoxification of life-threatening chemical and toxic industrial gases. Responsibilities also include prototype fabric development, advanced materials characterisation (FESEM, XRD, XPS, XAS, TEM/HRTEM, BET, ICP-OES, RAMAN, etc, and detoxification studies. The candidate may be required to travel to RRCAT Indore for synchrotron studies at Indus beamlines and to DRDE Gwalior for detoxification studies.	
Essential Qualification	M.Sc. in Chemistry/Physics/Materials Science/Nanoscience OR M. Tech. in Materials Science and Engineering/Nanotechnology or equivalent discipline (with 1 st division as defined by the awarding Institute/University) A candidate who has qualified GATE or NET-LS or NET-PhD will be preferred.	
Age Limit	Maximum 28 years	
Fellowship	37,000 /- per month + 16 % HRA (As per Institute/Govt. Rules)	
Date of Interview	Only shortlisted candidates will be notified by email and called for an ONLINE interview .	
Last Date of Applications	Interested candidates are requested to submit a detailed softcopy of their CV with all relevant Essential Qualification Degree Certificates, Marks Sheets, GATE/NET-LS/NET-PhD qualifying certificates, Date of Birth Proof Certificate in a single PDF file with subject line “ Application for JRF under DRDE-DRDO funded project ” to rupesh@iiti.ac.in (Prof. Rupesh Devan) on or before 30th Oct. 2026 .	
• The selected candidate will be encouraged to register for the PhD program at IIT Indore as per the institute norms. • If selected for the PhD program, a fellowship will be extended for PhD duration as per institute norms. • No TA/DA will be paid for appearing in the interview.		