



# Indian Institute of Technology Indore

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भारतीय प्रौद्योगिकी संस्थान इन्दौर  
सिमरोल, इन्दौर 453 552, भारत

IIT Indore

## Advertisement for the post of JRF under DST Project

Advt. No: IITI/MEMS/AKK/JRF/2023/01

Date: December 14, 2023

Applications are invited from interested and motivated candidates for the post of Junior Research Fellow (JRF) in a time bound research project for a temporary period, purely on a contractual basis as per the following details.	
<b>Position</b>	Junior Research Fellow (JRF) (Under DST Project )
<b>Number of Vacancy</b>	01
<b>Project Title</b>	"Catalytic Materials for efficient production of gluconic/gluconic acids and hydrogen by oxidation of biomasses generated glucose"
<b>Department</b>	Metallurgical Engineering and Materials Science
<b>Project Tenure</b>	03 years and/or co-terminus with the project. (The selected candidate will be encouraged to register for the Ph.D. program at IIT Indore as per institute norms).
<b>Job Description</b>	Electrodeposition of metals/ alloys and structural characterization employing X-ray diffraction, SEM-EBSD, and TEM/STEM imaging techniques. Electrochemical techniques.
<b>Essential Qualification</b>	M.Sc. Physics/ Chemistry/Material Science /Nano Science & Technology or equivalent degree, with at least 60% marks <b>AND</b> CSIR NET-LS or Valid GATE Score .
<b>Age Limit</b>	JRF-28Yrs.
<b>Age relaxation</b>	The upper age limit is relaxable upto 5 years in the case of candidates belonging to scheduled castes/tribes/OBC, women and physically handicapped candidates.
<b>Fellowship</b>	Junior Research Fellowship (JRF): Rs. 37,000/- p.m + HRA @ 18 %.

**Desirable:** Candidates having knowledge of Condensed Matter Physics (Solid State Physics), Materials Chemistry, Materials Science and Electro Chemistry etc. will be preferred.

Interested candidates are requested to submit a detailed softcopy of their CV with all relevant Essential Qualification Degree Certificates, Marks Sheets, CSIR NET-LS/GATE qualifying certificates, Date of Birth Pro Certificate and Category Certificates (if applicable) in a single pdf file to the [memsoffice@iiti.ac.in](mailto:memsoffice@iiti.ac.in) by **December 24, 2023**.


### Project Investigators:

**Dr. Ajay Kumar Kushwaha (PI)**, Associate Professor & HoD, Metallurgical Engineering and Materials Science, Indian Institute of Technology Indore,

**Prof. Ritunesh Kumar (Co-PI)**, Professor, Mechanical Engineering, Indian Institute of Technology Indore,

**Tentative Date of Interview: December 26, 2023 (In-Person or Online)**

Only shortlisted candidates will be called for interview. Selected candidates will be intimated by email.  
**No TA/DA will be paid for appearing in the interview.**

  
14-12-2023