

मौलाना आजाद राष्ट्रीय प्रौद्योगिकी संस्थान भोपाल  
Maulana Azad National Institute of Technology Bhopal

19-03-2026

Department of Physics / भौतिकी विभाग

Walk in Interview

Candidates having qualifications of M. Tech or, M. Sc., or an equivalent postgraduate degree in Physics or materials science, Nontechnology or Electronics and valid NET/GATE (or any national level examinations by Central Government departments and their agencies and institutions) with 60% marks or CGPA 6.5 can appear in the walk in interview along with the filled-in application form (blank form is attached with this advertisement), bio-data, all original certificates (two sets of photocopies) with two passport size photographs for the post of JRF in Anusandhan National Research Foundation (ANRF) File Number: ANRF/IRG/2025/000185/PS sponsored the Government of India project "Effective Mitigate Strategies to Control the Staebler-Wronski Effect in Inorganic Material Based Thin Film Solar Cell" in the Department of Physics, tentative interview data on 22-04-26 (around 10 am) for the period of three years purely on temporary basis with (INR 37,000 + HRA for first two years and INR 42,000 + HRA for third year) according to ANRF norms. No TA/DA will be paid for the interview.

अभ्यर्थी जिनके पास एम.टेक या एम.एससी. की योग्यता हो, या भौतिकी या पदार्थ विज्ञान, गैर-प्रौद्योगिकी या इलेक्ट्रॉनिक्स में समकक्ष स्नातकोत्तर डिग्री हो और वैध नेट/गेट (या केंद्र सरकार के विभागों और उनकी एजेंसियों और संस्थानों द्वारा किसी भी राष्ट्रीय स्तर की परीक्षा) 60% अंकों या सीजीपीए 6.5 के साथ हो, वे भरे हुए आवेदन पत्र (खाली फॉर्म इस विज्ञापन के साथ संलग्न है), बायो-डेटा, सभी मूल प्रमाण पत्र (फोटोकॉपी के दो सेट) के साथ दो पासपोर्ट आकार के फोटो के साथ अनुसंधान राष्ट्रीय अनुसंधान फाउंडेशन (एनआरएफ) में जेआरएफ के पद के लिए वॉक-इन इंटरव्यू में उपस्थित हो सकते हैं। फाइल नंबर: एनआरएफ/आईआरजी/2025/000185/पीएस ने भौतिकी विभाग में भारत सरकार की परियोजना "अकार्बनिक पदार्थ आधारित पतली फिल्म सौर सेल में स्टेबलर-व्रोन्स्की प्रभाव को नियंत्रित करने के लिए प्रभावी शमन रणनीतियाँ" प्रायोजित की है, ANRF नॉर्स के हिसाब से पहले दो साल के लिए 37,000 + HRA और तीसरे साल के लिए INR 42,000 + HRA मिलेगा। इंटरव्यू के लिए कोई TA/DA नहीं दिया जाएगा।

Ramarajan 19/03/26

**Dr. Ramarajan R**

(Assistant Professor & Principal Investigator, Department of Physics)

PHY HOD

Forwarded  
RKurshami  
19-03-2026

Dean (R & C)

Director



**Maulana Azad National Institute of Technology Bhopal**  
**Department of Physics**

**Advertisement for Junior Research Fellow (JRF)**

**File Number: ANRF/IRG/2025/000185/PS**

**Dated 19<sup>th</sup> march 2026**

Applications are invited from motivated and eligible candidates for a Junior Research Fellow (JRF-Frist 2 years) and Senior Research Fellow (SRF- Last one 1Year) position in the research project supported by **Anusandhan National Research Foundation (ANRF), Government of India**, Ministry of Science and Technology. The details of the project are given below:

Name of the Post	Junior Research Fellow (JRF)
Number of Post	1 (One)
Age Limit	Preferably below 35 Years
Age Relaxation	Upper age is relaxable up to 5 years for SC/ST/OBC/Women and Physically handicapped candidates.
Title of The Project	<b>“Effective Mitigate Strategies to Control the Staebler-Wronski Effect in Inorganic Material Based Thin Film Solar Cell”</b>
Principal Investigator	<b>Dr. Ramarajan R</b> Assistant Professor Department of Physics Maulana Azad National Institute of Technology (MANIT) Bhopal, Madhya Pradesh, India – 462003 📱 Mobile: 8500607597 / 8660449104 ✉ Email: ramarajan@manit.ac.in / ramarajan.2005@gmail.com
Tenure of Project	Initially for 1 year (extendable up to 3 years based on performance and project needs) (The project duration is three years. During the first and second years, the student will be appointed as a Junior Research Fellow (JRF), and in the third year, the student will be promoted to Senior Research Fellow (SRF). Continuation from the first to the second year, as well as from the second to the third year, will be strictly based on the candidate's annual performance and satisfactory progress.)
Job Description	This project aims to revolutionize inorganic thin-film solar cells by addressing the Staebler–Wronski Effect (Light induced photodegradation process) effect, to achieve greater device stability and enduring performance. It introduces a novel architecture that eliminates the need for traditional materials like ITO, FTO, and TiO <sub>2</sub> , relying entirely on inorganic components to create a flexible, scalable solar cell. The research will develop and characterize a new Sr <sub>2</sub> SnO <sub>4</sub> compound ETL



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	materials and ATO thin-film electrode, forming the basis of a planar n-i-p hybrid thin film solar cell.
Essential Qualification	M. Tech or, M. Sc., or an equivalent postgraduate degree in Physics or materials science, Nontechnology or Electronics. <b>OR</b> M. Tech/M. E/M. S (by Research) or an equivalent postgraduate degree in Engineering/Technology in disciplines such as Chemical, Materials, Electrical, or Electronics Engineering.
Desirable	<ol style="list-style-type: none"><li>1. A score/rank in any recognized National Eligibility Test such as GATE, DAE-JEST, UGC-NET, CSIR-JRF, DST-Inspire, or any equivalent fellowship.</li><li>2. The candidate needs to have good knowledge of the material characterization methods.</li><li>3. Prior research or project experience relevant to the field.</li><li>4. Publications in peer-reviewed international journals.</li><li>5. Participation and/or paper presentations in national or international conferences.</li></ol>
Salary	<b>As Per ANRF Norms (ANRF/OM/N-01/2024)</b> <b>For JRF</b> <ol style="list-style-type: none"><li>1. 37,000.00/- Plus HRA for Candidate having any of the Score/Rank in any recognized National Eligibility Test.</li><li>2. 30,000.00/- Plus HRA for Candidate <b>not having</b> any score/rank in any recognized National Eligibility Test.</li></ol> <b>For SRF</b> <ol style="list-style-type: none"><li>1. 42,000.00/- Plus HRA for Candidate having any of the Score/Rank in any recognized National Eligibility Test.</li><li>2. 33,000.00/- Plus HRA for Candidate <b>not having</b> any score/rank in any recognized National Eligibility Test.</li></ol>
Add on Benefits	<b>The selected candidates are eligible to register for PhD degree at MANIT Bhopal as per the Institute norms.</b>



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Mode of the Interview	After shortlisting, the selected candidates will be informed about the interview through official channels. The interview may be conducted either online or offline mode, and detailed instructions will be communicated to the candidates via email.
<b>Submission of the application</b>	Applicants must fill out the application form along with this advertisement, attach a detailed CV, and include self-attested copies of all certificates and documents mentioned in the application. The complete application should be sent via email to <a href="mailto:ramarajan@manit.ac.in">ramarajan@manit.ac.in</a> or <a href="mailto:ramarajan.2005@gmail.com">ramarajan.2005@gmail.com</a> <i>*Applicants are strictly advised <b>not to provide any false or misleading information</b>. Submission of incorrect or fabricated details may lead to <b>cancellation of candidature</b> at any stage of the selection process.</i>
Terms and Conditions	<ul style="list-style-type: none"><li>• For more details, please contact Project Investigator: Dr. Ramarajan R Assistant Professor, Department of Physics Maulana Azad National Institute of Technology (MANIT) Bhopal, Madhya Pradesh, India – 462003 📱 Mobile: 8500607597 / 8660449104</li><li>• The above position is purely temporary and contract basis and co-terminus at any time from the project without any notification.</li><li>• Candidates appearing in-person should bring the print out of application form with original and self-attested copies of all supporting documents at the time of interview (if offline)</li><li>• No TA/DA will be paid for their appearing in the interview.</li><li>• The applicant will be responsible for the authenticity of information other documents and photographs submitted.</li><li>• The institute reserves the right to accept application at any time and consider candidates of exceptional credentials without applications. Qualification and experience may be relaxed by the institute at any point of time for otherwise exceptional candidates.</li><li>• Mere, possessing the prescribed qualification does not ensure that the candidate would be called for interview.</li><li>• Canvassing in any form will disqualify the candidature.</li></ul>



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MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY BHOPAL- 462003

भौतिकी विभाग  
DEPARTMENT OF PHYSICS

## Application for the post of Junior Research Fellow (JRF)

1. Full Name (in Capital):
2. Gender:
3. Date of Birth: Age: \_\_\_ years (on the date of walk-in interview)
4. Nationality:
5. Father/Husband's Name:
6. Address for Correspondence:

Attach Passport

Size Photo

7. Permanent Address:

8. Contact: Telephone (with STD code):

Mobile: E-mail id:

9. Category (SC/ST/OBC/GEN):

### 10. Educational Qualification:

S. No.	Examination Passed	School/Institute/University / Board	Year of Passing	Division /Grade	% of marks/ CGPA	Subjects taken/ specialization
1	10 <sup>th</sup>					
2	12 <sup>th</sup>					
3	B.Tech./B. Sc./BCA					
4	M.Tech./MCA /M. Sc.					
5	Any other					

Percent conversion of grade should be specified and the proof of conversion factor should be shown at the time of interview.

### 11. Details of Previous Experience:

S. No.	Name of Employer with address	Salary drawn	Period of service	Nature of Duties

If selected, minimum time required to join the post in \_\_\_\_\_ days.



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## 12. List of Top 5 Publications (attached separate sheet if required):

A: Journal Publication	B. Conference Publications

## 13. References (Minimum Two), Name, Designation, Institute address, Mobile/Tel No. and E-mail id.

1. \_\_\_\_\_ 2. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## 14. Suitability for the position applied (200 words)

\_\_\_\_\_

## 15. Any other relevant information

\_\_\_\_\_

\_\_\_\_\_

### Declaration

I affirm that the information given in this application is true and correct. I also fully understand that if at any stage, it is discovered that an attempt has been made by me to willfully conceal or misrepresent the facts, my candidature may be summarily rejected or my employment terminated.

Date-

Place-

Candidate Signature Candidate Name