

Date: 8.01.2025

**Advertisement for Junior Research Fellow (JRF) Position under CSIR-HRDG-EMR-II project in Physics**

**Project Details:**

Applications are invited from motivated and eligible Indian citizens for the position of Junior Research Fellow (JRF) in a time bound research project for a temporary period, purely on contractual basis at the Department of Physics and Materials Science, Thapar Institute of Engineering & Technology, Patiala with the details mentioned below. Shortlisted candidates will be informed about the date of interview via email.	
Position	Junior Research Fellow (JRF)
Number of vacancy	01
Project Title	Reaction dynamics and channel coupling effects of multinucleon transfer reactions in interactions of $^{28}\text{Si}$ with $^{76}\text{Ge}$ and $^{30}\text{Si}$ with $^{74}\text{Ge}$
Department	School of Physics and Materials Science
Project Tenure	03 Years or completion of the project, whichever is earlier
Job Description	The selected candidate is expected to carry out experiments in nuclear physics at Inter University Accelerator Center, New Delhi and perform the data analysis. A working knowledge of a programming language and ROOT is desirable.
Essential Qualification	B. S. 4 year programme, Integrated B.S.-M.S./M. Sc. in Physics/Applied Physics or equivalent degrees with 55% marks and passing of NET-LS/GATE test.
Age Limit	28 years
Age relaxation	The upper age limit is relaxable up-to 5 years in the case of candidates belonging to scheduled castes/tribes/OBC, women and physically handicapped candidates
Fellowship	37,000/- pm in First and second years. 42,000/- pm in 3 <sup>rd</sup> year upon upgradation

Important	<ul style="list-style-type: none"> <li>The assignment is purely temporary in nature and it is co-terminus with the project.</li> <li>No TA/DA will be paid for appearing in the interview and/or joining of the position.</li> <li>All the terms &amp; conditions for this recruitment will be as per the guidelines of SERB, Govt. of India and TIET, Patiala. Institute reserves the right to cancel the recruitment without assigning any reason.</li> <li>Candidate selected for this position may apply for the regular PhD program provided they satisfy the eligibility criterion for PhD program in School of Physics, TIET, Patiala.</li> <li>Original documents of age proof/certificates/degrees/mark sheets and other testimonials must be presented at the time of interview.</li> <li>Only shortlisted candidate will be intimated via E-mail for interview. <b>Candidates are advised to check their Email regularly.</b></li> <li>Incomplete application will not be accepted.</li> </ul>
How to Apply	Eligible and interested candidates should send their detailed resume (CV) in the given format through e-mail to Dr. Sunil Devi (sunil.devi@thapar.edu) mentioning the subject as <b>“Application for JRF under CSIR-HRDG. Last date to receive the applications is March 30, 2025.</b>

Principal Investigator  
Dr. Sunil Devi,

Associate Professor, Department of Physics and Materials Science,  
Thapar Institute of Engineering and Technology, Patiala-147004

**Application Form for Junior Research Fellow (JRF) in CSIR Sponsored Project**

Project Title: Reaction dynamics and channel coupling effects of multinucleon transfer reactions in interactions of  $^{28}\text{Si}$  with  $^{76}\text{Ge}$  and  $^{30}\text{Si}$  with  $^{74}\text{Ge}$  (03/1488/2023/EMR-II)

1. Name:

2. Male/Female:

3. Father/Spouse's Name:

4. Mother Name:

5. Address:

(i) Communication address

(ii) Permanent address:

6. Email id:

7. Phone No:

8. Date of birth:

9. Marital status:

10. Nationality:

11. Caste category (OP/SC/ST/OBC/PH):

12. Details of Universities/Institutions attended (from 10<sup>th</sup> Standard onwards)  
(Self Attested copies of certificates and mark sheets/grade cards must be presented at the time of interview)

Affix  
recent  
passport  
size  
photograph

Degree obtained	University/College/ Board	Year	Subject/s	% Marks/ CGPA/CPI	Class (if any)

13. Professional Qualifying Examination Passed:

GATE/NET/Equivalent: (Attested copy of certificate must be attached)

Name of Examination	Subject	Rank /Marks /Score/Percentile	Qualifying date/year	Valid upto

14. Professional Experience (Teaching/Research/Industrial), if any

Name of organization	Position	Type of work	Period	
			From	To

15. Any other relevant information:

16. Declaration

I hereby declare that the entries made in this application form are correct to the best of my knowledge and belief.

Place:

Signature of the applicant

Date: