



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

(भारत सरकार, शिक्षा मंत्रालय के अधीन राष्ट्रीय महत्व का संस्थान)  
(An Institution of National Importance under MoE, Govt. of India)

**Date:** 12-04-2024

**Advertisement Notice**

Applications for a post of CRS Project Fellow (*Junior*)-I/II are invited from candidates having M.Sc./M. Tech in Chemistry/Physics/Chemical Engineering/Materials Science/Nanoscience. Selected candidate will work in a collaborative research project entitled “*Exploring morphological effects on the Photophysical properties of Lead Free Halide Perovskite Nanocrystals*” funded by UGC-DAE CSR, India under the guidance of Dr. Dharmendar Kumar Sharma (Principal Investigator) Department of Chemistry, MANIT, Bhopal – 462003 and Dr. Arvind Yogi (Principle Collaborator) UGC-DAE Consortium for Scientific Research, Indore. The Project Fellow (*Junior*)-I/II post is purely temporary, and co-terminus with the CRS project. Details of the project can be seen on the Institute website ([www.manit.ac.in](http://www.manit.ac.in)). Applicants are required to send their application with full educational qualifications and experience certificates in the attached proforma. A **Single PDF file of the application proforma and transcripts/certificates should be sent to PI at [dksiitb@gmail.com](mailto:dksiitb@gmail.com) by 28-04-2024**. Mention “**Application for CRS Project Fellow (*Junior*)-I/II**” in the subject line of the email.

**Dr. Dharmendar Kumar Sharma**  
(Principal Investigator)



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Name of Post: CRS Project Fellow (*Junior*)-I/II” No. of Post: 01

### Designation, Remuneration and Qualifications (s):

| S. No.   | Designation                     | Remuneration   | Qualification   |
|--|---------------------------------|----------------|---|
| 1.   | CRS Project Fellow Junior- (I)  | Rs. 14000+ HRA | M.Sc. (Not earlier than 3 Years) with a minimum of 55% Marks in the concerned subject (for science), M.E./M.Tech (Not earlier than 3 Years) 1 <sup>st</sup> class (for engineering) |
| 2.   | CRS Project Fellow Senior- (I)  | Rs. 16000+ HRA | After completion of 2 years as CRS Project Fellow (Junior)-I +at least one research paper in reputed SCI Journal+ Assessment by 3 member committee approved by center director.     |
| 3.   | CRS Project Fellow Junior- (II) | Rs. 31000+ HRA | Same as S. No. (1) + valid JEST/GATE/NET-JRF/Lectureship/UGC-CSIR NET JRF/Lectureship.  |
| 4.   | CRS Project Fellow Senior- (II) | Rs. 35000+ HRA | After completion of 2 years as CRS Project Fellow (Junior)-II +at least one research paper in reputed SCI Journal+ Assessment by 3 member committee approved by center director     |
| <ol style="list-style-type: none"><li>1. <b>Ph.D. registration</b> will be required for PF-II position.</li><li>2. <b>Duration:</b> 1 Year (may be extended further as per project tenure and performance of the candidate)</li><li>3. <b>Desirable:</b> Good communication skills (both verbal and writing). <i>Candidates with M.Sc. Chemistry/ Applied Chemistry and research experience in nanomaterial related field will be preferred.</i></li></ol> |                                 |                |   |



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We are looking for fully devoted scientific manpower. This is a full time assignment and **CRS Project Fellow (Junior)-I/II** will involve in synthesis and characterization of Lead Free Perovskite Nanomaterials of different shapes such as nano-dots, nano cube (NCu), nano-rod (NR), nano-wire (NW), nano plate (NP) etc. Prior knowledge of Nanomaterials characterization using XRD, SEM/TEM & AFM will be useful for this project. Photophysical properties of synthesized NCs in terms of PLQY, color purity and stability will be explored using conventional and specialized methods. Preference will be given to the candidates with M.Sc. Chemistry and having working experience in the field of Nanomaterials/Quantum dot synthesis and characterization.

**CRS Project Fellow (Junior)-II** must register for PhD programme in the institute in the reasonable period of time after joining the project and following institutional norms. The candidates should apply in the prescribed format available on the Institute website ([www.manit.ac.in](http://www.manit.ac.in)) on or before **28-04-2024**, along with self-attested soft copies of the relevant certificates. If any of the important information provided in the application form is not supported by certificates attached, application will be rejected. Applications should be emailed to the [dksiitb@gmail.com](mailto:dksiitb@gmail.com) to Dr. D. K. Sharma (Principal Investigator), Department of Chemistry, MANIT, Bhopal – 462003, Madhya Pradesh. Call letters for personal interview will be e-mailed to the respective email ID after scrutiny of each application. No hard copy of call letter will be sent. The appointment will be purely on contract basis, the post have been created for the execution of the research project and selected candidates shall not be an employee and no claim of any benefit on that account. Appointment may be terminated at any time if performance is not satisfactory.

|   |   |
|---|---|
| Last date for submission of complete application form | <b>28-04-2024</b>   |
| Interview Letter/Date                                 | Will be sent/notified only to the short listed eligible candidates through e-mail.                        |
| Declaration of result                                 | Will be notified to the selected candidate through e-mail (as given by the candidate in his application). |

**Dr. Dharmendar Kumar Sharma**  
(Principal Investigator)



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**Application for the post of CRS Project Fellow (*Junior*)-I/II**

Attach  
Passport Size  
Photo

1. Full Name (in Capital):
2. Gender:
3. Date of Birth: Age: \_\_\_\_years (on last date of application submission)
4. Nationality:
5. Father/Husband's Name:
6. Address for Correspondence:
7. Permanent Address:
8. Contact : Telephone (with STD code): Mobile:
- E-mail id:
9. Category (SC/ST/OBC/GEN):
10. Educational Qualification (*in reverse chronological order*):

| S. No. | Examination Passed | University/ Board | Year of Passing | Division/Grade | % of marks | Subjects taken/ specialization |
|--------|--------------------|-------------------|-----------------|----------------|------------|--------------------------------|
|        |                    |                   |                 |                |            |                                |
|        |                    |                   |                 |                |            |                                |
|        |                    |                   |                 |                |            |                                |

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

**11. Details of qualifying exam (Qualification 2):**

| S. No. | NET/GATE/Other national level exam | Year | Qualifying Marks | Marks Obtained |
|--------|------------------------------------|------|------------------|----------------|
|        |                                    |      |                  |                |
|        |                                    |      |                  |                |



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**12. Details of Previous Experience:**

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

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

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

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

**14. Statement of purpose (min. 200 words, attach separate sheet if required):**

**15. Any other relevant information**

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**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 will be summarily rejected or my employment will be terminated.

**Candidate Signature**  
**Candidate Name**