



## Maulana Azad National Institute of Technology Bhopal 462003

Department of Chemistry

**Date:** 24-06-2022

### **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 (with min. 60% marks or 6.5 CGPI) and NET/GATE qualifications. 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. N. P. Lalla (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 their 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 08-07-2022**. Mention “**Application for CRS Project Fellow (*Junior*)-I/II**” in the subject line of the email. Applications lacking attested copies of the mark-sheets/certificates, in support of their claims, will be rejected.

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



## Maulana Azad National Institute of Technology Bhopal 462003

### Department of Chemistry

Date: 24-06-2022

#### Advertisement

Applications for a post of CRS Project Fellow (Junior)-I/II are invited in a time bound UGC-DAE CSR Project, India under the guidance of Dr. Dharmendar Kumar Sharma (Principal Investigator) Department of Chemistry, MANIT, Bhopal – 462003 and Dr. N. P. Lalla (Principle Collaborator) UGC-DAE Consortium for Scientific Research, Indore.

Project Title	<i>“Exploring morphological effects on the Photophysical properties of Lead Free Halide Perovskite Nanocrystals”</i>
Sponsoring Agency	UGC-DAE CSR, India
Temporary Position (s)	<b>CRS Project Fellow (Junior)-I</b> <b>CRS Project Fellow (Junior)- II</b>
Principal Investigator	Dr. Dharmendar Kumar Sharma
Principal Collaborator	Dr. N. P. Lalla
Department/Centre	Department of Chemistry
Duration	1 Year (will be extended further as per project tenure and performance of the candidate)
Last date for receipt of application	<b>08-07-2022</b>

#### Recruitment details:

Sl. No	Designation	Remuneration (As per UGC-DAE CSR/ Institute norms)	Qualifications
1	<b>CRS Project Fellow (Junior)- I</b>	<b>Rs. 14000+HRA</b>	M.Sc. (not earlier than 3 years) with a minimum of 55% marks in Chemistry/Physics/Materials Science/Nanoscience <b>(OR)</b> M.E. / M. Tech. (not earlier than 3 years) 1st Class (for Engineering)
2	<b>CRS Project Fellow (Junior)- II</b>	<b>Rs. 31000+HRA</b>	<b>Same as (1)</b> + valid (a) National Eligibility Tests- CSIR-UGC NET including lectureship (Assistant Professor) or GATE or(b) A selection process through National level examinations conducted by Central Government Department and their Agencies and Institutions. + Ph.D. registration of the student under the supervision of the PI at the University where PI's institute is affiliated



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**Desirable:** Good communication skills (both verbal and writing). *Candidates with M.Sc. Chemistry/ Applied Chemistry and research experience in nanomaterial related field will be preferred.*

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.

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 **08-07-2022**, 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 has 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.

Interview Letter/Date	Will be sent/notified only to the short-listed eligible candidates through e-mail (No TA/DA is admissible for attending the interview).
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)**



# Maulana Azad National Institute of Technology Bhopal 462003

## Department of Chemistry

### 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):**

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**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**