



## जवाहरलाल नेहरू उन्नत वैज्ञानिक अनुसंधान केंद्र

जकूर पोस्ट, बेंगलूर - 560064, कर्नाटक, भारत

विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार के अधीन एक स्वायत्त संस्थान  
सम विश्वविद्यालय संस्था

### Jawaharlal Nehru Centre For Advanced Scientific Research

Jakkur P.O., Bengaluru - 560064, Karnataka, INDIA

An autonomous institution under Department of Science and Technology, Govt. of India.

An Institution Deemed-to-be-University



Advertisement No: JNC/AO/No.02/2024

January 17, 2024

**About JNCASR:** Having been established in 1989, the Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru (<https://www.jncasr.ac.in>) is a premier research institution under the aegis of the Department of Science and Technology, Government of India. It is also a Deemed-to-be-University known for interdisciplinary research. The Centre is equipped with state-of-the-art research and teaching facilities and provides excellent support to its faculty members in achieving ambitious research goals.

**About CPMU:** Chemistry and Physics of Materials Unit (CPMU) is the pioneering department established at JNCASR in 1994, has committed to pursuing cutting-edge materials research. With unwavering support from its faculty members, CPMU empowers researchers to reach their ambitious scientific objectives. This Unit seeks an exceptional individual to contribute significantly to *experimental materials research*. The subject areas of interest for this role encompass a wide range of possibilities, including, but not limited to, the following key domains:

1. 2D, Nano, Photonic and Metamaterials and devices
2. Quantum Materials
3. Advanced Materials for Energy Conversion and Storage
4. Materials for Additive Manufacturing and 3D Printing
5. Experimental Investigations of Materials Leveraging Machine Learning/Computational Materials Science.
6. Materials-Design and Processing along with Measurements Utilizing Advanced Techniques

To explore these opportunities further and gain insight into our current research activities, please visit our (website at <https://www.jncasr.ac.in/research/research-units/chemistry-and-physics-of-materials-unit>).

JNCASR/CPMU is seeking applications, from bright and motivated individuals with a proven track record of outstanding research and a strong dedication to teaching, for the position of **ASSISTANT PROFESSOR**.

**Basic Qualifications:** Ph.D. in the relevant area, **with 2-3 years post-doctoral experience** (relaxation possible in exceptional scenarios), high-quality publications, excellent academic credentials, demonstration of skills needed for the development of an independent research programme, and effective teaching.

Preference will be given to applicants whose research interests complement or leverage the Unit's current research and academic activities and open new dimensions and opportunities. Selected candidates will carry out independent research and teach students in M.S., Integrated Ph.D. and Ph.D. Programmes.

**Number of Posts:** 01


**Age Limit:** Preferably below 35 years as of the closing date of receipt of applications (relaxable as per GoI norms)

**Pay Level:** Level 12 plus admissible allowances (as per MHRD norms)

Shortlisted candidates will be further considered based on a research seminar(s), a pedagogic lecture(s), and interactions with faculty members of the Centre, preferably in person.

JNCASR especially encourage women candidates and other under-represented categories to apply.

**How to apply:** Please prepare your application package after learning about activities at JNCASR and giving deep thought to how you would suitably fit in as a faculty member in its academic ambience. An ideal candidate should have a non-negligible overlap of interest and complementarity with the current CPMU faculty. You are welcome to connect with the current faculty members at CPMU to find more information about their work. Please include the following information in PDF format, and email to [cpmusearch@jncasr.ac.in](mailto:cpmusearch@jncasr.ac.in) with a copy to [dfaoff@jncasr.ac.in](mailto:dfaoff@jncasr.ac.in) and [cpmuchair@jncasr.ac.in](mailto:cpmuchair@jncasr.ac.in)

1. Completed application package (Word file can be downloaded from -  [Application Format.docx](#) )
2. List of Publications in reverse chronological order
3. PDF files of 3 most significant (not necessarily most cited) publications
4. A two-page research plan
5. A statement of teaching interests that details what courses you would like to teach, prior teaching experience, conducting labs, and any other relevant information.
6. The names and email addresses of at least three referees who are familiar with your work and will be willing to write a reference letter.

**Terms and conditions:**

- i) The President, JNCASR reserves the right to cancel the entire Advertisement or part of the Advertisement or posts.
- ii) Those working in Central/State Govt./Public Sector Undertaking/Government funded Organizations etc., should submit their application THROUGH PROPER CHANNEL.
- iii) Educational qualifications should be from a recognized Board/University/Organization.

- iv) Any canvassing by or on behalf of the candidates or trying political or other outside influence concerning selection/recruitment shall be a disqualification.
- v) The application should be submitted in the prescribed format only. Incomplete/late and not in the prescribed application will be summarily rejected.
- vi) The President, JNCASR reserves the right to accept or reject any /all the applications.
- vii) Applications received after the due date and incomplete applications without required copies of certificates will not be entertained and will be rejected outright.
- viii) Travel expenses of the shortlisted candidates for attending the interview from any point within India will be reimbursed as per the Centre's norms, provided the travel is undertaken by the Government authorized Road transport service and Rail. Booking of tickets should necessarily be made through IRCTC.

**Note: Candidates who had applied in response to the recent faculty recruitment advertisement of JNCASR [advertisement No. JNC/AO/No.07/2022 dated 21.07.2022] are advised not to apply again. Those applicants who were deemed suitable in response to the previous advertisement will be taken into consideration.**

For any further information related to this advertisement, please contact [cpmuchair@jncasr.ac.in](mailto:cpmuchair@jncasr.ac.in).

Last date to receive applications: **March 02, 2024.**

Sd/  
Administrative Officer