



JNCASR

जवाहरलाल नेहरू उन्नत वैज्ञानिक अनुसंधान केंद्र

जक्कुर पोस्ट, बेंगलूरु - 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.01/2024

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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, and 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 EMU: The Engineering Mechanics Unit (EMU) at JNCASR brings together a group of dedicated faculty members who pursue path-breaking research, both at a fundamental scientific level and with an eye on applications, on a range of topics dealing with transport processes in fluids over length scales ranging from the microscopic to the astrophysical (website: <https://www.jncasr.ac.in/research/research-units/engineering-mechanics-unit>).

JNCASR/EMU is seeking applications for the position of **ASSISTANT PROFESSOR** in the broad area of Mechanics. Areas of emphasis include (but are not limited to) Experimental, Computational, and Theoretical Solid Mechanics, Fluid Dynamics and Non-equilibrium Statistical Mechanics, Climate Sciences, and the Dynamics and Rheology of Complex fluids including Active Matter. Applicants who possess proficiency in AI/ML/data science, with core competence in the above fields, will also be considered.

The candidate must have an outstanding research record and is expected to add a new dimension to ongoing research efforts in the Unit. She/he must also exhibit a strong commitment towards teaching which would include contributing to a comprehensive Mechanics-based course curriculum.

Basic Qualifications: Doctorate in Mechanical, Chemical, Aerospace and Civil Engineering, Physics, Applied Mathematics, or allied disciplines, **with 2-3 years of 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.

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 EMU faculty. You are welcome to connect with the current Faculty members at EMU to find more information about their work. Please include the following information in PDF format, and email to emusearch@jncasr.ac.in, with a copy to dfaoff@jncasr.ac.in and chair_emu@jncasr.ac.in

1. Completed application package with list of publications in reverse chronological order (Word file can be downloaded from - [Application Format.docx](#))
2. PDF files of 3 most significant (not necessarily most cited) publications
3. A two-page research plan
4. A statement of teaching interests that details what courses you would like to teach, prior teaching experience, and any other relevant information.
5. 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 chair_emu@jncasr.ac.in

Last date to receive applications: March 02, 2024.

Sd/-
Administrative Officer