



नैनो विज्ञान एवं प्रौद्योगिकी संस्थान

(विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार का एक स्वायत्त अनुसंधान संस्थान)

नॉलेज सिटी, सेक्टर- 81, एस.ए.एस. नगर, मोहाली - 140306, पंजाब

INSTITUTE OF NANO SCIENCE & TECHNOLOGY

(An Autonomous Research Institute of the Department of Science and Technology, Government of India)

Knowledge City, Sector-81, SAS Nagar, Mohali-140306, Punjab

No. 14(10)/2020-INST

Date: 12.09.2022

**Advertisement for the position of Project Junior Research Fellow (JRF) /
Senior Research Fellow (SRF) under the research project funded by
'SERB' at Institute of Nano Science and Technology**

Applications are invited from highly motivated and bright candidates for engagement of **Project Junior Research Fellow (JRF)/Senior Research Fellow (SRF)** in the research project funded by **SERB**, Government of India at Institute of Nano Science and Technology, Mohali. **Suitable SRF candidates will be preferred.**

Title of the Research Project: First Principle Designing of Single Molecule Magnets and Grafting on the Substrates to Quench the Quantum Tunneling of Magnetizations

Principal Investigator: Dr. Md. Ehesan Ali

Name of the position available: Junior/Senior Research Fellow

Number of positions available: One

Qualifications:

Essential: M.Sc./M.Tech. Degree in Physics/Chemistry/Biology or related subjects with strong background in Quantum Mechanics/Molecular Physics/Chemical Bonding/Magnetism with NET/GATE/GPAT qualification.

For SRF Applications: Two years of rigorous research experience is mandatory

Desirable: Computer Programming in Fortran/C++/Python and working knowledge in LINUX.

Age limit: Must not be over 30 years for JRF and 35 years for SRF as on 24.09.2022, which is relaxable for certain reserved categories as per rules of Government of India.

Fellowship: For For JRF Rs. 31,000/- (pm) + 16% HRA and SRF: Rs. 35,000/- (pm) + 16% HRA

Project duration: Four months / or till the project end whichever is earlier.

Last of receipt of application: 24th September, 2022

General Terms and Conditions:

- The position is purely temporary and on contractual basis and renewable subject to satisfactory performance till the project duration. **The position is co-terminus with the project.** Candidate selected for this position can also apply for the regular PhD program of INST provided they satisfy eligibility criteria.

- No TA/DA will be paid for attending the interview.
- Original documents of age proof/certificates/degrees/mark sheets and other testimonials must be presented along with the self-attested photocopies of these documents at the time of interview.

Only shortlisted candidates will be communicated through email to appear in the interview and no other communication in this regard will be entertained.

Completed **applications strictly in the prescribed format** as annexed should reach to the following address by **24.09.2022** by speed-post or via email attachment (complete one combined PDF) addressed to:

Dr. Md. Ehesan Ali (Scientist-F)

<https://inst.ac.in/scientist/9>

www.ehesanali.com

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