



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

F. No: 14(19)/2022-INST

Date: 29.03.2023

Advertisement for the position of Project Junior Research Fellow (JRF) under 'SERB' funded project at Institute of Nano Science and Technology

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

Title of the Research Project: "Chirality-induced Spin-polarization for Molecular Spintronics Applications".

Nature of the Project: Theoretical and Computational

Principal Investigator: Prof. Md. Ehesan Ali, Scientist-F

Name of the position available: Junior Research Fellow

Number of positions available: One

Qualifications:

Essential: Post Graduate Degree in Basic Science or Graduate / Post Graduate Degree in Professional Course selected through a process described through any one of the following:

- Scholars who are selected through National Eligibility Tests – CSIR-UGC NET including lectureship (Assistant Professorship) or GATE.
- The selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER etc.

Desirable: The candidate with a strong background in Quantum Chemistry and/or Quantum Physics, prior experience in computational work, programming experience and strong motivation in pursuing a research career in the domain of computational sciences is highly desired.

Age limit: Must not be over 28 years as 20.04.2023 however, it would be relaxed for certain reserved categories as per rules of Government of India.

Fellowship: Rs. 31,000/- (pm) + HRA (as applicable)

Project duration: Initially one year and may be extended based on performance of the candidate and availability of funds.

Last date of receipt of application: 20.04.2023

General Terms and Conditions:

- The position is purely temporary and on contractual basis and **renewable each year subject to satisfactory performance for a maximum of three years/till the completion of the project whichever is earlier**. 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.

Candidates are request to submit the following 'Online Synopsis' along with the formal applications forms.

<https://forms.gle/N5QSEhRFL465KwqH9>

Completed **applications in the prescribed format / CV** as annexed should reach to the following address **by 20.04.2023 via email attachment (complete one combined PDF) addressed to:**

Prof. Md. Ehesan Ali
Scientist-F

Institute of Nanoscience and Technology (INST),
Sector 81, Knowledge City, SAS Nagar,
Mohali-140306, Punjab

Email: ehesan.ali@inst.ac.in

Website: <https://www.inst.ac.in/scientist/38-ehesan-ali>

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