



नैनो विज्ञान एवं प्रौद्योगिकी संस्थान

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

नॉलेज सिटी सेक्टर - 81, एसएस 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

Date: 31.10.2023

Advertisement for the position of Research Associate-1 (RA1) under Prof. Md. Ehesan Ali at the Institute of Nano Science and Technology

Applications are invited from highly motivated and bright candidates for engagement of **Research Associate-1 (RA-1)** in the research project funded by the Institute of Nano Science and Technology, Mohali.

Title of the Research Project: “*Computational Modelling of Spin and Charge Transfer at Biomolecule-Material Interfaces*”

Nature of the Project: Theoretical and Computational

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

Name of the position available: Research Associate 1 (RA-1)

Number of positions available: One

Essential Qualifications: PhD or equivalent degree or four years of research experience after M.Sc/ME/M.Tech with at least two research papers in Science Citation Indexed (SCI) Journal.

Desirable Experience: Research experience in Computational Chemistry/Computational Physics/Computational Biology. Experience in Density Functional Theory (DFT), post-Hartree-Fock-based multireference methods such as CASSCF/NEVPT2 and/or classical/ab initio molecular dynamics (MD) simulations.

Age limit: Must not be over 35 years as of 25th November 2023, which is relaxable for certain reserved categories as per the rules of the Government of India.

Fellowship: Rs. 47,000/- (pm) + HRA as applicable.

Last date of receipt of application: 25.11.2023

Duration: Initially **one** year and may be extended based on the candidate's performance and availability of funds.

General Terms and Conditions:

- The position is temporary, contractual, and renewable each year, subject to satisfactory performance until the Project's duration. The position is co-terminus with the project.
- 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 the interview.

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

Candidates must submit the following 'Online Synopsis' and the formal application forms.

<https://forms.gle/fi2JCuQWRfcecU6ZA>

Complete application along with detailed CV should reach the following address by **25.11.2023** or via email attachment (as a single PDF) addressed to:

Prof. Md. Ehesan Ali
Scientist-F

Institute of Nanoscience and Technology (INST),
Sector 81, Knowledge City, SAS Nagar,
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Email: ehesan.ali@inst.ac.in
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