



नैनो विज्ञान एवं प्रौद्योगिकी संस्थान

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

नॉलेज सिटी, सेक्टर-81, एस.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(4)/2023-INST

Date: 21st January, 2025

Advertisement for position of Junior Research Fellow (JRF) / Senior Research Fellow (SRF) under the 'ANRF/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) / Senior Research Fellow (SRF)** in the research project funded by 'SERB', Government of India at Institute of Nano Science and Technology, Mohali.

Title of the Research Project: Development of nanostructured MoS₂ based SERS and FET biosensors for Sepsis Biomarkers detection.

Principal Investigator: Dr. Kiran Shankar Hazra (PI) & Dr. Rehan Khan (Co-PI)

Name of the position available: Junior Research Fellow (JRF) / Senior Research Fellow (SRF)

Number of positions available: One

Qualifications Essential for JRF:

Post Graduate Degree in Physics/Electronics/Material Science or Graduate / Post Graduate Degree in Professional course selected through a process described through any one of the following:

(a) Scholars who are selected through National Eligibility Tests – CSIR-UGC NET including lectureship (Assistant Professorship) or GATE.

(b) 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.

Qualifications Essential for SRF: Qualification prescribed for JRF with Two years of research experience.

Desirable: Research experience in Sensing or FET or electrical transport or Raman spectroscopy, or device fabrication.

Age limit for JRF: Must not be over 28 years as on 4th February, 2025, which is relaxable for certain reserved categories as per rules of Government of India.

Age limit for SRF: Must not be over 30 years as on 4th February, 2025, which is relaxable for certain reserved categories as per rules of Government of India.

Fellowship for JRF: 31,000/- (pm).

Fellowship for SRF: 35,000/- (pm).

Last date of receipt of application: 4th February, 2025

Mode of Interview: Hybrid mode

Duration: one year / till the project end whichever is earlier.

General Terms and Conditions:

- The position is purely temporary and on contractual basis. 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.***
- The position is purely temporary and on contractual basis. 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 interview (when interview will take in person).**

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 in the prescribed format** as annexed should reach to the following address by **4th February, 2025** via email attachment (complete one combined PDF) addressed to:

How to Apply: Candidates are required to submit the application form duly filled in the prescribed format only (attached below) along with all certificates and email it to kiran@inst.ac.in

For any query, candidates can contact on following address

Dr. Kiran Shankar Hazra, Scientist-E

Institute of Nanoscience and Technology (INST),

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

[E-mail: kiran@inst.ac.in](mailto:kiran@inst.ac.in)

Ph No.: +91-172-2297000

Mobile: 8146042449

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

APPLICATION FORM

For Office use	
Application No:	
Date of receipt:	

Affix latest
colour
Passport size
Photograph here

1. Post Applied for: _____
2. Name of the Applicant Mr./Ms. _____
(In block CAPITAL letters)
3. Father's/Mother's Name: _____
4. Gender: _____ 5. Date of Birth: _____ 6. Marital Status: _____
7. Spouse's Name: _____
8. Do you belong to GEN/SC/ST/OBC/PH category* _____
***(Please enclose self-attested copy of the certificate, if applicable)**

9. Present Mailing Address

10. Permanent Address

Pin _____ code: _____
Telephone No: _____
E-mail ID : _____

Pin _____ code: _____
Telephone No: _____
E-mail ID : _____

**11. Test Score Details (Please provide details of UGC/CSIR NET/GATE/Other examinations)
(Please enclose duly self-attested copies)**

Test	Registration Number	Score		Rank	Qualifying Year/Month
		Percentage	Percentile		

**12. Details of academic record starting from SECONDARY (Class X) Examination:
(Self-Attested copies of the mark sheets/certificates to be enclosed)**

Degree/ Exam (with discipline)	University / College / Board	Year of Passing	Percentage of Marks / CPI	Class/Grade/Rank	Subjects Taken

13. Any other fellowship/scholarship/qualifications obtained other than covered in the form? If yes please provide details in separate sheet.

14. Research/Industrial experience (with publications) in form of summer trainee, project (please provide details in separate sheet):-

15. Any other detail you want to provide to assess your candidature please provide details in separate sheet.

16. Details of two referees under whom the candidate has worked or studied

Name: _____

Designation: _____

Institute: _____

Telephone No: _____

E-mail ID : _____

Name: _____

Designation: _____

Institute: _____

Telephone No: _____

E-mail ID : _____

DECLARATION BY THE APPLICANT

I hereby declare that all the particulars furnished above are correct. I understand that my association direct or indirect with any unlawful organization is forbidden. I am aware that any incorrect information may lead to cancellation of my admission/selection. If selected for admission, I promise to abide by the rules and regulations of the Institute.

Date: _____

(Signature of the Applicant)

Place: _____

FOR OFFICE

From the copies of certificates in support of the above particulars, it is certified that the applicant is **eligible/not-eligible*** for further consideration by the Screening Committee.

Signature of the officer in charge of Admission

**Give reasons.....*