



# INSTITUTE OF NANO SCIENCE & TECHNOLOGY

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

Habitat Centre, Sector-64, Phase-X, Mohali-160062, Punjab

No: 14(23)/2016-INST

Date: 01.08.2019

## **Advertisement for the JRF under the 'DST-Nano Mission Project at Institute of Nano Science and Technology, Mohali**

Applications are invited from motivated and bright candidates for the position of a **Junior Research Fellow (JRF)** in the research project funded under **DST-Nano Mission** scheme, Government of India, at the Institute of Nano Science and Technology, Mohali

**Title of the Research Project:** "*Exploring the shell proteins of BMCPs as potential substrate for fabrication of Organic-Inorganic Hybrid Nanomaterials*".

**Principal Investigator:** Dr. Sharmistha Sinha, Scientist-E

**Name of the position available:** Junior Research Fellow (JRF)

**Number of positions available:** One

**Qualifications:**

1. Masters in Biophysics/Biochemistry/Chemistry/Biotechnology/Pharmacy or Related Area
2. Qualified **any one** of the following:
  - a. CSIR/UGC National Eligibility test or LS
  - b. Graduate Aptitude Test in Engineering(GATE)
  - c. Joint Admission Test (JAM)
  - d. Graduate Pharmacy Aptitude Test (GPAT)
  - e. ICMR-JRF/ICAR-AICE/JEST/JGEEBILS

**Age limit:** Must not be over 28 years as on **26<sup>th</sup> August, 2019** which is relaxable for certain reserved categories as per the rules of the Government of India

**Salary:** Rs. 25,000/- + 16% HRA

**Duration:** Initially for one year and may be extended till the project end based upon the performance of the candidate and the availability of funds.

**Last Date of receipt of application:** 26<sup>th</sup> August, 2019

Interested candidates are requested to send their applications in the attached format along with their CV to [sinhas@inst.ac.in](mailto:sinhas@inst.ac.in) on or before 26<sup>th</sup> August, 2019. The subject should state "**Application for Project JRF**"

**Brief details of the work to be undertaken:** Development of hybrid bio-inorganic materials for varied applications using the coat proteins of bacterial metabolosomes. The work will require expression, purification of recombinant bacterial proteins, and their biophysical characterization using spectroscopic, imaging and analytical techniques, and development of functional assays for bioreactors.

**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 the eligibility criteria.***
- No TA/DA will be paid for attending the interview.
- A hard copy of the application form 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.

**Important:**

Completed applications in the **prescribed format** as annexed should reach the address provided below on or before **26<sup>th</sup> August, 2019** by **Speed Post or via email attachment (complete in one combined PDF)**.

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

**Dr. Sharmistha Sinha**

Scientist-E

**Institute of Nanoscience and Technology (INST)**

**Habitat Centre, Sector 64, Phase-10, S.A.S. Nagar**

**Mohali, Punjab-160062**

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