



INSTITUTE OF NANO SCIENCE AND TECHNOLOGY

(An Autonomous institute of Department of Science and Technology, GOI)

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

No: 14(15)/2016-INST

Date: 20.08.2018

Advertisement for Junior Research Fellow/ Project Assistant under

“DST-CERI” Project

Title of the Research Project: “Biomass Derived Nanostructured Cellulose Aerogel Materials for Thermal Insulation in Energy Efficient Smart Buildings”

Walk-in-Interview will be conducted on 05th September 2018 for highly motivated and bright candidates for the position of Junior Research Fellow/ Project Assistant in “DST-CERI” project under the supervision of **Dr. Kamalakannan Kailasam**, Scientist E, Principal Investigator, INST Mohali.

Brief description of project: This project involves the synthesis of nanomaterials like nanoporous cellulose-metal oxide composites from waste materials. Here, we will explore the approach of physical and chemical modification of the microfibrillar cellulose for their application in thermal insulation. It involves lot of spectroscopic and microscopic characterization which will provide significant opportunity to get hands-on experience on synthesis & several instrumental techniques.

Name of the position available: Junior Research Fellow (JRF)/ Project Assistant (PA)

Number of positions available: One

Essential qualifications: M.Sc. in Chemistry or M.Tech in Material Science/ Nanotechnology, with NET/ GATE qualification is preferable.

Desirable Experience: Research experience in Synthesis of Nanomaterials is preferable.

Age limit: Must not be over 28 years as on 5th September, 2018 which is relaxed up to 5 years for SC/ ST/ PH/ OBC candidates.

Salary: As per norms (for JRF- Rs. 25,000/- & for PA- Rs. 18,000/- consolidated)

Project duration: 2 years

General Terms and Conditions:

The position is purely temporary and on contractual basis, renewable each year subject to satisfactory performance for a maximum of **two** years. 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.

Note: Candidates residing beyond 500 km from Mohali may first email a detailed CV to kamal@inst.ac.in by 31/08/2018, 5 pm. Shortlisted candidates will be communicated through email for appearing in-person or through Skype for the interview.

Date of interview & Reporting Time: 10:00AM on 05th September 2018 at INST Mohali.

For further clarifications contact:

Dr. KAMALAKANNAN KAILASAM, Scientist-E/ Associate Professor
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