



**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(21)/2016-INST

Date: 19.12.2019

## **Walk-in-Interview**

**Engagement of Project Staff (Junior Research Fellows) under DST Nano Mission project and DST-CERI project**

**Project-I:** “Biomass Derived Nanostructured Cellulose Aerogel Materials for Thermal Insulation in Energy Efficient Smart Buildings”

**Principal Investigator:** Dr. Kamalakannan Kailasam

**Position:** Junior Research Fellow (JRF) – 1 position

**Fellowship:** Rs. 31,000/- + 16% HRA

**Duration:** For six months or till the completion of the project, which may be earlier.

**Project-II:** “Prototype Large-Scale reactor for simultaneous production of H<sub>2</sub> and fine chemicals under natural sunlight”

**Principal Investigator:** Dr. Kamalakannan Kailasam

**Position:** Junior Research Fellow (JRF) –1 positions

**Fellowship:**

JRF: Rs. 31,000/- + 16% HRA

**Duration:** For six months or till the completion of the project, which may be earlier.

### **Brief description of projects:**

1. Synthesis of nanoporous semiconductors based on organic polymers and metal oxides and photocatalysis.
2. Synthesis of cellulose aerogels/ hydrogels and sol gel synthesis of metal oxides.

Both the projects involve lot of spectroscopic and microscopic characterization which will provide significant opportunity to get hands-on experience on synthesis & several instrumental techniques.

### **Essential qualifications:**

M. Sc. / M. Tech. in any discipline of Chemistry/ Material Science with NET/LS/GATE, etc.

**Desirable Experience:**

Research experience in synthesis of nanomaterials, organic compounds and handling of spectroscopic and chromatographic techniques.

**Age limit:**

Must not be over 28 years as on 10<sup>th</sup> January, 2020 which is relaxable as per GoI norms.

**Date of Walk-in-Interview:** 10<sup>th</sup> January, 2020 from 10.00 am (**Reporting time: 9.45 am**)

**Mode of Interview:** Candidate should appear for interview in person. However, candidates residing far off may opt to online interview through Skype (send us Skype id to [kamal@inst.ac.in](mailto:kamal@inst.ac.in) by 8<sup>th</sup> January, 2020).

**General Terms and Conditions:**

1. The positions are purely temporary on contractual basis and renewable subject to satisfactory performance maximum till completing of the project(s).
2. No TA/DA will be paid for attending the interview.
3. Original documents in support of age, qualification and category etc must be presented along with the self-attested photocopies of these documents at the time of interview.

**For further clarifications contact:**

**Dr. KAMALAKANNAN KAILASAM, Scientist-E/ Associate Professor**

Institute of Nano Science and Technology, Habitat Centre, Phase-X,

Sector-64, Mohali, Punjab – 160062. Email: [kamal@inst.ac.in](mailto:kamal@inst.ac.in)

# INSTITUTE OF NANO SCIENCE & TECHNOLOGY

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

Habitat Centre, Sector-64, Phase-10, Mohali-160062, Punjab

## APPLICATION FORM

For Office use	
Application No:	
Date of receipt:	

1. Name of the Applicant Mr./Ms.

\_\_\_\_\_

(In block CAPITAL letters)

2. Father's/Mother's Name:

\_\_\_\_\_

3. Gender: \_\_\_\_\_ 4. Date of Birth: \_\_\_\_\_ 5. Marital Status:

\_\_\_\_\_

6. Spouse's Name:

\_\_\_\_\_

7. Do you belong to GEN/SC/ST/OBC/PH category\* \_\_\_\_\_

\*(Please enclose self-attested copy of the certificate, if applicable)

8. Present Mailing Address

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

9. Permanent Address

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

**10. 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		

**11. 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

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

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

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**14. Any other details you want to provide to assess your candidature please provide details in separate sheet.**

**15. 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.....*