

No: 14(21)/2016-INST

Date: 26.07.2019

Walk-in-Interview

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

Title of the Research 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. 25,000/- (consolidated)

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

Title of the Research Project-II: “Prototype Large-Scale reactor for simultaneous production of H₂ and fine chemicals under natural sunlight”

Principal Investigator: Dr. Kamalakannan Kailasam

Position: Research Associate (RA-I) – 1 position and Junior Research Fellow (JRF) – 1 position

Fellowship:

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

RA: Rs. 36,000/- + 16% HRA

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

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:

Project Research Associate (RA): Either having PhD degree or should have submitted thesis in the field of **Chemistry/ Material science** with in depth understanding/ hands on experience in synthesis of nanomaterials, photocatalysis, organic compounds and handling of spectroscopic and chromatographic techniques.

Project Junior Research Fellow (JRF): M. Sc. / M. Tech. in any discipline of Chemistry/ Material Science with NET/LS/GATE, etc.

Desirable Experience:

Project Research Associate (RA): Candidate having industrial interaction/experience along with device fabrication will be of added advantage. Should have publications in high impact factor journals are the must.

Project Junior Research Fellow (JRF): Research experience in synthesis of nanomaterials, organic compounds and handling of spectroscopic and chromatographic techniques.

Age limit:

Project Research Associate (RA): Must not be over 35 years as on 14th August, 2019 is relaxable as per GoI norms.

Project Junior Research Fellow (JRF): Must not be over 28 years as on 14th August, 2019 which is relaxable as per GoI norms.

Date of Walk-in-Interview: 19th August, 2019 from 10.00 am to 01.00 pm (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 by 14th August, 2019).

Candidates are required to send scanned copy of application form, *detailed CV* and copies of certificates & testimonials in support of educational qualifications, age, category and experience etc, through email on kamal@inst.ac.in by 14th August, 2019.

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

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 : _____ |

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.....*