

**INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE  
DEPARTMENT OF CHEMISTRY**

**Advt. No. STARS/RP-JT/01**

**Dated: 16-06-2020**

**ADVERTISEMENT TO FILL UP PROJECT POSITIONS BY INTERVIEW\***

Applications are invited from Indian nationals only for Junior Research Fellow position as per the details given below for the STARS project under the supervision of Prof. R. Pandey and Prof. K. R. Justin Thomas, Department of Chemistry, Indian Institute of Technology, Roorkee.

1. Title of project: **PROBING THE MOLECULAR ORIENTATION AND CHARGE TRANSFER DYNAMICS AT INTERFACES FOR THE DESIGN AND FABRICATION OF MORE EFFICIENT OPTOELECTRONICS DEVICES**
2. Sponsor of the project: **STARS, Bangalore**
3. Project position(s) and number: **Junior Research Fellow**
4. Qualifications: M.Sc. in chemistry with minimum Cumulative Grade Point Average (CGPA) of 6.00 on a 10-point scale or 60% marks for General (UR) category. For SC/ST or PwD candidates the minimum CGPA requirements may be relaxed to 5.50 on a 10-point scale or to 55% marks. In addition, NET (UGC or CSIR JRF) or GATE qualification. Other eligibility conditions for Ph.D. admission to IIT Roorkee is also required.
5. Upper age limit for JRF is 28 years. The upper age limit is relaxable upto 5 years in the case of candidates belonging to scheduled castes/tribes/OBC, women and physically handicapped candidates.
6. Emoluments: Rs. 31,000/- pm.
7. Duration: up to May 27, 2023
8. Job description: To design and synthesize organic semiconductors suitable for application in optoelectronic devices. The incumbent should have interest in the photophysical characterization of organic semiconductors and fabrication of electronic devices. The candidate will also be involved in the nonlinear optical measurements in such devices.
9. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
10. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of Principal Investigator through email (rpandey@cy.iitr.ac.in) or by post:
  - Application in a plain paper with detailed CV including chronological discipline of degree/certificates obtained.
  - Research experience in relevant fields.
  - Attested copies of degree/certificate and experience certificate.
10. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
11. Preference will be given to SC/ST candidates on equal qualifications and experience.
12. Please note that no TA/DA is admissible for attending the interview.  
Selected candidate may get an opportunity for Ph.D. admission in the institute.

Date and venue of interview will be notified to the shortlisted candidates by e-mail.

**Tel: 1332-285522**

**E-mail: rpandey@cy.iitr.ac.in**

**Name and signature of Principal Investigator**

\*To be uploaded on IIT Roorkee website and copy may be sent to appropriate addresses by PI for wider circulation.

Last Date : 31 July 2020 .

*Handwritten signature*  
21/7/2020

Head  
Chemistry Department