



NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA
SPONSORED RESEARCH, INDUSTRIAL CONSULTANCY & CONTINUING EDUCATION

NITR/SR/2022/Advt-22CY009/L/023, dt. 03.06.2022

Applications are invited on prescribed format (On-line) for the temporary post of " CRS Project Fellow (Junior) –I" for the Project entitled "Optimization of upconverted visible light emission through local disorder and lattice strain generated in core-shell based NIR upconversion nanocrystals." Selected candidate may enroll in PhD Programme in the **Department of Chemistry, National Institute of Technology Rourkela** based on Institute norms and regulations.

1.	Project Code	SR/22/CY/009
2.	Name of the Temporary Post	CRS Project Fellow (Junior) -I
3.	Name of the Research Project	"Optimization of upconverted visible light emission through local disorder and lattice strain generated in core-shell based NIR upconversion nanocrystals".
4.	Name of the Sponsoring Agency	UGC-DAE Consortium of Scientific Research
5.	Tenure of the Project	03 years (from 31/03/2022 to 30/03/2025)
6.	Tenure of the Assignment	Initial for a period of one year (Extendable to three years upon satisfactory performance)
7.	Job Description	To carry out the research work (Experimental), in the field of upconverting crystals & to visit RRCAT, Indore, for beam time & data collection. Scope to enroll as a PhD Scholar in Department of Chemistry (has to satisfy Institute / Department Eligibility Criteria)
8.	Consolidated monthly compensation / Fellowship	INR 14,000 + HRA (For 3 yrs) [for Non-NET / Non-GATE] (OR) INR 31,000 + HRA (1st & 2nd year) and INR 35,000 + HRA (3rd year) [for NET-JRF/ GATE]
9.	Essential Qualifications and experience	MSc in Chemistry (not earlier than 3 yrs) with 55% marks
10.	Desirable Qualifications / Exp.	Valid qualification of GATE/NET-JRF/Lectureship/UGC-CSIR NET-JRF/Lectureship
11.	Accommodation	Bachelor / Married accommodation in the Institute may be provided subject to availability.

For technical information on the project, the candidate may contact the Principal Investigator at the following address:

Name : Prof. Supratim Giri
Address : Department of Chemistry
National Institute of Technology Rourkela, Odisha 769 008.
Tel. No. : 0661-246 2666
Mobile : 9438501472
E-mail : girisupr@nitrkl.ac.in

Date and Time for **On-line / Walk-in** Interview: **21.06.2022 at 16:00 HRS**

Place of Interview: **Department of Chemistry, NIT Rourkela**

Eligible candidates may apply within **14.06.2022**, 2359 HRS. The candidates are required to send the complete filled up application form (Soft copy) to girisupr@nitrkl.ac.in. The application form is available in the following link: [http://nitrkl.ac.in/oldwebsite/ Jobs_Tenders/5ProjectFellowships/Doc/JRF%20LS-PND-64\(2\).pdf](http://nitrkl.ac.in/oldwebsite/Jobs_Tenders/5ProjectFellowships/Doc/JRF%20LS-PND-64(2).pdf) which must be filled by candidates and also required to attach photocopies of all supporting documents, research papers (if any) etc.

Candidates will build a **Single PDF** file; it is to be sent to Principal Investigator (girisupr@nitrkl.ac.in) **on or before 14.06.2022, 2359 HRS**. The candidates are also required to produce relevant documents mentioned in the application form [such as original of all mark sheets and certificates, research papers (if any), experience certificate (if any) etc.] at the time of interview / joining. Selection / Joining will be canceled in case of any suppression of information / document provided earlier.

Mere possession of minimum qualification does not guarantee invitation to the interview. Candidates will be short listed based on merit and need of the project.

**Sd/-
Asst. Registrar (SR)**

Copy to:

- 1) All Heads of the Departments, NIT Rourkela for publication on departmental notice boards.
- 2) **Prof. Supratim Giri**, PI with a request to give wide publicity to this advertisement.
- 3) Head of the Department, **Chemistry (CY)**.
- 4) Project file.