



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

NITR/SR/2021/Advt-19CY057/L/042 dt. 19.02.2021

Applications are invited on prescribed format (On-line) for the temporary post of "Junior Research Fellow (JRF) for the Project entitled "Design of carbon quantum dot based multifunctional theranostic nanoparticle for photochemotherapy of oral cancer" Selected candidate may enroll in Ph.D. Programme in the **Department of Chemistry, National Institute of Technology Rourkela** based on Institute norms and regulations.

1.	Project Code	<b>SR/19/CY/057</b>
2.	Name of the Temporary Post	Junior Research Fellow - 01
3.	Name of the Research Project	"Structural Phase Transitions induced by Swift Heavy Ion Irradiations in Lead Free Ferroelectric Perovskite Oxides"
4.	Name of the Sponsoring Agency	DST SERB
5.	Tenure of the Project	3 years
6.	Tenure of the Assignment	Feb 2021 to Feb 2023 (based upon the satisfactory performance or completion of the project, whichever is earlier).
7.	Job Description	To carry out experimental work in laboratory. The work is focused on synthesis, characterization and application of nanomaterials.
8.	Consolidated monthly compensation / Fellowship	INR 25,000 ( 1 <sup>st</sup> and 2 <sup>nd</sup> year) and INR 28,000 (3rd year) [for Non-NET / Non- GATE] <b>(OR)</b> INR 31,000 (1st & 2nd year) and INR 35,000 (3rd year) [for NET / GATE]
9.	Essential Qualifications and experience	M. Sc. in Chemistry/Biotechnology/Pharmacy/Nanotechnology with 65% marks or 7.0 CGPA.
10.	Desirable Qualifications / Exp.	Valid NET / GATE Score/1 yr experience in laboratory work
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. Sasmita Mohapatra  
Address : Department of Chemistry  
National Institute of Technology Rourkela, Odisha 769 008.  
Tel. No. : 0661-246 2661  
Mobile : 9437306187  
E-mail : [sasmitam@nitrkl.ac.in](mailto:sasmitam@nitrkl.ac.in)

Date and Time for **On-line / Walk-in** Interview: **04.03.2021, 11 am**

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

Eligible candidates may apply within **26.02.2021**, 2359 HRS. The candidates are required to send the complete filled up application form (Soft copy) to [sasmitam@nitrkl.ac.in](mailto:sasmitam@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 ([sasmitam@nitrkl.ac.in](mailto:sasmitam@nitrkl.ac.in)) **on or before 26.02.2021, 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. Sasmita Mohapatra, PI with a request to give wide publicity to this advertisement.
- 3) Head of the Department, CY
- 4) Project file.