



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

**NITR/SR/2022/Advt-21CY027/L/052, dt. 09.11.2022**

Applications are invited on prescribed format (On-line) for the temporary post of "**Junior Research Fellow (JRF)**" for the Project entitled "Bi/Sb-based lead free halide perovskites for possible photovoltaic applications" 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/21/CY/027</b>
2.	Name of the Temporary Post	<b>Junior Research Fellow - 01</b>
3.	Name of the Research Project	"Bi/Sb-based lead free halide perovskites for possible photovoltaic applications".
4.	Name of the Sponsoring Agency	CSIR, New Delhi
5.	Tenure of the Project	Three years
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 halide perovskite and study the photovoltaic properties of these compounds. Scope to enroll as a Ph. D. Scholar in Department of Chemistry (has to satisfy Institute / Department Eligibility Criteria)
8.	Consolidated monthly compensation / Fellowship	INR 31,000 (1st & 2nd year) and INR 35,000 for 3rd year (if the work is satisfactory) [for NET / GATE]
9.	Essential Qualifications and experience	Career first division with M. Sc. in Chemistry (65% marks or 7.0 CGPA), GATE/NET qualified.
10.	Desirable Qualifications / Exp.	Valid NET / GATE Score, Knowledge on synthesis and characterization of Solids
11.	Accommodation	Accommodation in the Institute may be provided subject to availability.
12.	Special norms as per the guideline of sponsored agency	The upper age limit for applying for the award of JRF shall be 28 years as on the day on which the application is made. A small relaxation in age limit may be considered, in the case of applicants who are suitably qualified and experienced, on the recommendations of the selection committee. 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.

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

Name : Prof. Saroj L Samal  
Address : Department of Chemistry  
National Institute of Technology Rourkela, Odisha 769 008.  
Tel. No. : 0661-246 2983  
Mobile : 9668320163  
E-mail : [samalsaroj@nitrkl.ac.in](mailto:samalsaroj@nitrkl.ac.in)

Date and Time for **On-line / Walk-in Interview: 24.11.2022 at 16:00 HRS**

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

Eligible candidates may apply within **23.11.2022, 2359 HRS**. The candidates are required to send the complete filled up application form (Soft copy) to [samalsaroj@nitrkl.ac.in](mailto:samalsaroj@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 ([samalsaroj@nitrkl.ac.in](mailto:samalsaroj@nitrkl.ac.in)) **on or before 23.11.2022, 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. Saroj L Samal, PI with a request to give wide publicity to this advertisement.
- 3) Head of the Department, Chemistry (CY).
- 4) Project file.