



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

NITR/SR/2021/Advt-21CY036/L/043, dt. 17.12.2021

Applications are invited on prescribed format (On-line) for the temporary post of "Junior Research Fellow (JRF)" for the Project entitled "Investigation of $M_2^{II}A^{IV}Q_4$ (M = Transition metal; A = Si, Sn, Q = S, Se, Te) type Chalcogenides: Structural, Magnetic and Optical Properties". 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	SR/21/CY/036
2.	Name of the Temporary Post	Junior Research Fellow - 01
3.	Name of the Research Project	Investigation of $M_2^{II}A^{IV}Q_4$ (M = Transition metal; A = Si, Sn, Q = S, Se, Te) type Chalcogenides: Structural, Magnetic and Optical Properties
4.	Name of the Sponsoring Agency	SERB, 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 ternary metal chalcogenides and study their structural, magnetic and optical properties. 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)
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.

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

Date and Time for Interview will be on **07/01/2022 at 11:00 AM.**

Place of Interview: **Online mode** (Department of Chemistry)

Eligible candidates may apply within **31.12.2021, 2359 HRS.** The candidates are required to send the complete filled up application form (Soft copy) to samalsaroj@nitrkl.ac.in. The application form is available in the following link: [https://nitrkl.ac.in/oldwebsite/Jobs_Tenders/5ProjectFellowships/Doc/JRF%20LS-PND-64\(2\).pdf](https://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) **on or before 31.12.2021, 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. Saroj L Samal**, PI with a request to give wide publicity to this advertisement.
- 3) Head of the Department, **Chemistry (CY)**.
- 4) Project file.