



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

NITR/SR/2021/Advt-21CY039/L/044

dt. 24.12.21

Applications are invited on prescribed format (On-line) for the temporary post of "Junior Research Fellow (JRF) for the Project entitled "Analyzing saccharide effects on lipid bilayers under alcohol induced stress: A computer simulation approach". 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/039</b>
2.	Name of the Temporary Post	Junior Research Fellow - 01
3.	Name of the Research Project	Analyzing saccharide effects on lipid bilayers under alcohol induced stress: A computer simulation approach
4.	Name of the Sponsoring Agency	SERB
5.	Tenure of the Project	3 years
6.	Tenure of the Assignment	2022 - 2025
7.	Job Description	Theoretical and Computational Chemistry research to study the interactions between Lipid bilayer and saccharides. Candidate may register for Ph.D at NIT Rourkela.
8.	Consolidated monthly compensation / Fellowship	INR 31,000 / pm for 2 yrs, INR 35,000/ pm for the next 1 yr.
9.	Essential Qualifications and experience	M. Sc. in Chemistry/Physics with 65% marks or 7.0 CGPA
10.	Desirable Qualifications / Exp.	Valid NET / GATE Score
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. Madhurima Jana (PI)  
Address : Department of Chemistry  
National Institute of Technology Rourkela, Odisha 769 008.  
Tel. No. : 0661-246 2663 (O) / 9556353217 (M)  
E-mail : [janam@nitrkl.ac.in](mailto:janam@nitrkl.ac.in)

Date and Time of Interview: **12.01.2022 at 3:30 PM**

Place of Interview: **Online Mode**

Eligible candidates may apply within **08.01.2022**. The candidates are required to send the complete filled up application form (Soft copy) to [janam@nitrkl.ac.in](mailto:janam@nitrkl.ac.in) with a CC to [madhurima.mml@gmail.com](mailto:madhurima.mml@gmail.com). 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. The interview link will be shared with the shortlisted candidates.

Candidates need to send a **Single PDF** file **on or before 08.01.2022 (by 23:59 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. Madhurima Jana, PI with a request to give wide publicity to this advertisement.
- 3) Head of the Department, CY
- 4) Project file.