



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

NITR/SR/2021/Advt-21CY040/L/046

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 **“Synergizing short-range and long-range interactions to upregulate catalysis in Biotin – Streptavidin (Bio-Sav) enzyme complexes: A Computational Study”**. 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/040
2.	Name of the Temporary Post	Junior Research Fellow - 01
3.	Name of the Research Project	“Synergizing short-range and long-range interactions to upregulate catalysis in Biotin – Streptavidin (Bio-Sav) enzyme complexes: A Computational Study”
4.	Name of the Sponsoring Agency	SERB, DST, New Delhi
5.	Tenure of the Project	2 years
6.	Tenure of the Assignment	2 years (Candidate enrolled for Ph.D. may receive fellowship for another 18 months upon satisfying institute regulations)
7.	Job Description	Computational mechanistic investigations on Biotin – Streptavidin (Bio-Sav) enzyme complexes catalysis using hybrid QM/MM and small molecule models.
8.	Consolidated monthly compensation / Fellowship	INR 31,000 (for two years)
9.	Essential Qualifications and experience	M.Sc., in Chemistry with aggregate marks of 65% or 7.00 CGPA
10.	Desirable Qualifications / Exp.	Valid NET / GATE Score and Throughout First Class in academic career. A reference/recommendation letter from any of your teachers may be sent to Dr. Rajeev. R via email: rrajeev@nitrl.ac.in
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. Rajeev R (PI)
Address : Department of Chemistry
National Institute of Technology Rourkela, Odisha 769 008.
Tel. No. : 6282228922
Mobile : rrajeev@nitrkl.ac.in
E-mail :

Date and Time for **On-line** Interview: **19.01.2022, 11 am**

Place of Interview: **Online**

Eligible candidates may apply within **15.01.2022**. The candidates are required to send the complete filled up application form (Soft copy) to rrajeev@nitrkl.ac.in with a CC to rajeev.rjr@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.

Candidates are requested to make a **Single PDF** file and apply **on or before 15.01.2022, 23:59 HRS**. The candidates are also requested 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 shortlisted 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. Rajeev R, PI with a request to give wide publicity to this advertisement.
- 3) Head of the Department, CY
- 4) Project file.