



**NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA – 769 008 (ODISHA)  
SPONSORED RESEARCH, INDUSTRIAL CONSULTANCY & CONTINUING EDUCATION**

Advt. No.: NITR/SR/17/CY-050/2020/L/448(Extn./Modified)

Date: 16.06.2020

Applications are invited on prescribed format for the temporary post of "**Junior Research Fellow (JRF)/Senior Research Fellow (SRF)**" for the Project entitled "In-silico Studies of Structural Diversity of Glycosaminoglycans and their Interactions with Protein." Selected candidate may enrol in Ph.D. Programme in the Department of Chemistry, National Institute of Technology Rourkela based on Institute norms and regulations.

1.	Name of the Temporary Post:	<b>JRF/SRF: 01</b>
2.	Name of the Research Project:	"In-silico Studies of Structural Diversity of Glycosaminoglycans and their Interactions with Protein"
3.	Name of the Sponsoring Agency:	BRNS, Government of India
4.	Tenure of the Project:	03 years
5.	Tenure of the Assignment:	01 year or till completion of the project. (Starting date: as soon as possible)
6.	Job Description:	Computational research work (Molecular Docking and Molecular dynamics simulation to study Protein-Glycan interactions) related to the project. Candidate may register for Ph.D at NIT Rourkela
7.	Consolidated monthly compensation / Fellowship:	Rs. 31,000 /- (JRF) / Rs. 35,000 /- (SRF) per month
8.	Essential Qualifications and experience:	M.Sc. in Chemistry / Physics or M. Pharm with 65 % marks or above. <b>For SRF</b> , in addition to the above at least <b>2 years of research experience</b> in the field of Computational Chemistry/Computer-aided drug design is needed.
9.	Desirable Qualifications / Experiences :	<ul style="list-style-type: none"><li>• Career 1<sup>st</sup> Class.</li><li>• One 2<sup>nd</sup> class may be considered (for any of 10<sup>th</sup>/12<sup>th</sup>/ B. Sc) with valid NET/GATE.</li></ul>
10.	Accommodation:	Bachelor accommodation in the Institute may be provided subject to availability.
11.	Project Code:	SR/17/CY/050

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

Name : Prof. Madhurima Jana  
Address : Department of Chemistry,  
National Institute of Technology Rourkela, Odisha 769 008.  
Telephone No : +91-661-246-2663 (Office)  
Mobile : +91 95563 53217  
E-mail : [janam@nitrrkl.ac.in](mailto:janam@nitrrkl.ac.in) / [madhurima.mml@gmail.com](mailto:madhurima.mml@gmail.com)

Date and Time for **Walk-in / On-line** Interview: **14<sup>th</sup> July, 2020 at 11:00 AM.**

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

Eligible candidates may apply for **Walk-in / On-line Interview on 14<sup>th</sup> July, 2020 at 11:00 AM.** The application form is available in the following link [http://nitrrkl.ac.in/oldwebsite/Jobs\\_Tenders/5ProjectFellowships/Doc/JRF%20LS-PND-64\(2\).pdf](http://nitrrkl.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 and it is to be sent to Principal Investigator ([madhurima.mml@gmail.com](mailto:madhurima.mml@gmail.com)) **on or before 01.07.2020.** 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. during interview.)

Mere possession of essential/desirable qualifications and experience does not guarantee selection for the post. Candidates will be selected 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 advertisement.
- 3) Head of the Department, Chemistry.
- 4) Project file.