



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

**NITR/SR/2022/Advt-22BM027/L/036, dt.10.08.2022.**

Applications are invited on prescribed format (**Walk-in Interview / On-line**) for the temporary post of "**Junior Research Fellow (JRF)**" for the Project entitled "**Molecular Phylogeny of microbial assemblages of the seawater cooling system of a nuclear power plant**". Selected candidate may enroll in Ph.D. Programme in the **Department of Biotechnology and Medical Engineering (BM), National Institute of Technology Rourkela** based on Institute norms and regulations.

1.	Name of the Temporary Post	Junior Research Fellow (1 post), <b>(Project Code: SR/22/BM/027)</b>
2.	Name of the Research Project	Molecular Phylogeny of microbial assemblages of the seawater cooling system of a nuclear power plant
3.	Name of the Sponsoring Agency	Department of Atomic Energy (DAE), Board of Research in Nuclear Sciences (BRNS)
4.	Tenure of the Project	03 years
5.	Tenure of the Assignment	03 years
6.	Job Description	The project student (likely to be converted as a PhD student) will be involved in microbial diversity analysis by Next Generation Sequencing Technology. Microbial and molecular techniques will be involved. Bioinformatic software will be required for sequence analysis. Moreover, biofilm formation and controlling mechanisms will be involved here.
7.	Consolidated monthly Fellowship i) 1 <sup>st</sup> Year ii) 2 <sup>nd</sup> Year iii) 2 <sup>nd</sup> Year	Rs. 31,000.00 Rs. 31,000.00 Rs. 35,000.00 Based on the performance of the research work the fellowship will be converted in to Institute fellowship as per Institute rule.
8.	Essential Qualifications and experience	B.Tech with GATE/M.E./M. Tech degree in Biotech with specialization in Biotechnology,/ Environmental Engineering/ Environmental Biotechnology, or similar fields with above 65% (7 CGPA) of marks.
9.	Desirable Qualifications/ Experiences	Experience on Molecular Biology, Environmental Biotechnology and Microbiology is desirable for Biotech background students. GATE score will be preferred.
10.	Accommodation	Bachelor accommodation in the Institute may be provided subject to availability

11.	For technical information on the project, the candidate may contact the Principal Investigators at the following address: Name : Dr. Angana Sarkar Address : Department of BM N.I.T., Rourkela-769 008 E-mail : <a href="mailto:sarkara@nitrkl.ac.in">sarkara@nitrkl.ac.in</a> , <a href="mailto:sarkar.angana@gmail.com">sarkar.angana@gmail.com</a> , Mob. No. : 9733504234
12	Last date of receipt of application: <b>21<sup>st</sup> August, 2022, 2359 HRS</b>
13	Date of walking/Online Interview: <b>25<sup>th</sup> August, 2022, Time: 04:00 pm.</b>
14	Venue: <b>Department of Biotechnology &amp; medical Engineering, NIT Rourkela, Odisha</b>

Eligible candidates may apply within **21<sup>st</sup> August, 2022, 2359 HRS**. The candidates are required to send the complete filled up application form (Soft copy) to [sarkara@nitrkl.ac.in](mailto:sarkara@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 ([sarkara@nitrkl.ac.in](mailto:sarkara@nitrkl.ac.in)) **on or before 21<sup>st</sup> August, 2022, 2359 HRS. 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. Angana Sarkar**, Principal Investigator with a request to give wide publicity to advertisement.  
3) Head of the Department, BM  
4) Project file.