NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA

[An Institute of National Importance under Ministry of Education, Govt. of India]

Sector 1, Rourkela, Sundergarh Dist., Odisha 769 008

SPONSORED RESEARCH INDUSTRIAL CONSULTANCY CONTINUING EDUCATION

NITR / SR / 2025 / Advt.- 24CH055 / L / 021   dt. 15-May-2025   Ref: FTS 250429-4338   **SR-R03**

Advertisement for Recruitment of Project Position

Candidates who fulfill the below mentioned criteria may submit the application form before the last date. Engagement will be purely on temporary / contractual basis and co-terminus with the completion of the project. Candidates are advised to go through the advertisement details carefully before applying.

1.	Title of the Project:	Computational Insights into Non-Sulfonamide Carbonic Anhydrase Inhibitors for Disease-Specific Treatments: A Blueprint for Drug Design Development

2.	Project Code, Dept. with Closing Date:	SR/24/CH/055	23-Mar-2028	Chemical Engineering
3.	Funding Agency Details:	SERB		-

4.	PI details:	Prof. Shashi Kumar	kumars @nitrkl.ac.in, 0661-246 4691	
		8409777792	-	shashidhiman381991 @ gmail.com

5. Details of the Post(s):

6. Educational Qualification & Working Knowledge

Junior Research Fellow (JRF)
[Name of the Post(s)]

01 (One)
[No. of Post(s)]

02 Year(s), **11** Month(s)
(Tenure of Post)

Year 1 & 2

INR **37,000.00** /- per month
(+) HRA @ **NA** % (if applicable)

Year 3

INR **42,000.00** /- per month
(+) HRA @ **NA** % (if applicable)

Job Description:

Essential Qualification (s):

* First class with 60% aggregate or CGPA 6.5 in M.Tech in Chemical Engineering/Petroleum Engineering/Chemical Technology/Biotechnology & medical Engineering/Bioinformatics/Environmental Engineering/Water resource Engineering/Nanotechnology/Computer Science & Engineering or allied engineering branches with valid NET (Including Lectureship)/GATE qualification and B.Tech in Chemical Engineering/Petroleum Engineering/Chemical Technology/Biotechnology/Nanotechnology/Civil Engineering/Computer Science & Engineering with valid NET (Including Lectureship) /GATE qualification or

M.Sc in Chemistry/Biophysics/Environmental Science with valid NET (Including Lectureship)/GATE qualification

Experience / Software / Skillset & Desirable Qualification:

Candidates with a strong foundation in computational chemistry, molecular biology, bioinformatics or related fields are encouraged to apply. Preference will be given to applicants with:

* Basic to intermediate programming skills in languages such as Python and/or Fortran etc
* Prior experience or coursework related to molecular simulations, computational drug design, molecular modeling, or bioinformatics
* Strong analytical and problem-solving skills
* Familiarity with tools or software used in molecular simulations and molecular docking

* To conduct research on the assigned topic through theoretical approaches

* To interpret and analyze data obtained from advanced simulations techniques

* To prepare scientific reports, technical documents, and manuscripts for peer-reviewed publications

* To assist in designing and optimizing simulations protocols

* To present research findings in project meetings, workshops, and conferences as required

Online	Interview details:	09-Jun-2025	10.00 AM	Department of Chemical Engineering

Application link for eligible candidate(s): NIT Rourkela Homepage ➡ FACULTY & STAFF ➡ SRICCE ➡ Career ➡ Notices

The candidate(s) are required to send the complete filled and signed application (soft copy) with documents regarding educational qualification indicating percentage of marks / division (mark-sheets and / or certificates), research papers (if any), work experience certificate (if any) etc., This may be built as a single PDF file and sent by email with "Advertisement No." on the subject link to the above mentioned e-mail IDs. NO hard copies of application(s) are required to be sent to the Institute. **Last date for submitting the Application: 06-Jun-2025**

The period of experience in a discipline / area of work, wherever prescribed, shall be counted after the date of acquiring the minimum prescribed educational qualifications for that position. 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. Selection / Joining will be cancelled in case of any suppression of information / document submitted.

NIT Rourkela reserves the right to fix higher criteria for short-listing of eligible candidates from those satisfying advertised qualification and requirement of the project post. Only short-listed candidates will be informed for Online interview. In case, any clarification is required on eligibility regarding the above post, the candidate may contact in the above mentioned details.

Age Guideline: The upper age limit for applying for the award of project position shall be **28** years, which is relaxed up to 5 years in the case of candidates belonging to Schedule Castes / Schedule Tribes / PWD and Female applicants whereas 3 years in the case of OBCs (Non-creamy layer candidates). Upper age limit shall be reckoned as on the last date of receipt of applications.

Any other terms & conditions governed as per guidelines issued by the funding agency for the engagement of above position as amended from time to time shall be in force towards this temporary recruitment.

Sd/-
Asst. / Dy. / Jt. Registrar (SR)

Copy to:
- ➤ PI: Prof. **Shashi Kumar** , **CH**   ➤ Chairman, DRC, Dept. of **CH**   ➤ Advertisement File
- ➤ Head of the Department / Centres / Units (It is requested that the contents of the above advertisement be brought to the notice of the staff(s) / student(s) working in your Deptt. / Centre / Unit.)
- ➤ Dealing Seat (SR – Project Recruitment) → *To publish advertisement at NITR website.*