



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

NITR/SR/2021/Advt-21CR042/L/057, dt. 31.12.2021

Online/Walk-in Interview will be conducted on **January 25, 2022 at 10.00 AM** for the following assignment in research project undertaken in the **Department of Ceramic Engineering** of the institute

1.	Name of the temporary post & No.	Junior Research Fellow (JRF) – 01
2.	Name of the Research Project	Development of Phenolic Resin-derived Porous Carbon Spheres Modified Superhydrophobic Melamine Sponge for Toxic Dye Removal and Oil Spill Remediation.
3.	Name of the sponsoring Agency	CRG SERB
4.	Tenure of the project	3 years
5.	Tenure of the assignment	36 months or till the end of the project whichever is earlier. Extendable annually till completion of project, subject to satisfactory performance
6.	Job description (Give details)	The incumbent will be involved in developing PCS@MF sponge for dye removal and oil remediation related experimental and theoretical work. Knowledge in Physics, Chemistry, & prior hands on experience in materials synthesis will be an added advantage. Theoretical knowledge with simulation and modelling in computational fluid dynamics (Fluent, CFX etc.) will be prioritized.
7.	Consolidated monthly fellowship	i) Rs. 31,000/- for 1 st and 2 nd years ii) Rs.35,000/- for 3 rd year
8.	Essential Qualification & Experience	Master's degree in Engineering (Ceramics, Chemical, Metallurgy, Nanotechnology/Nanoscience, Materials Science, Chemical, Mechanical) with minimum CGPA of 6.5/10.0 (or 60% aggregate) Bachelor's degree in Engineering (Ceramics, Chemical, Metallurgy, Nanotechnology/Nanoscience, Materials Science, Chemical, Mechanical) with a minimum CGPA of 8.0/10.0 (or 75% aggregate) with valid GATE score. Master's degree in Science (Chemistry/Physics only) with Minimum CGPA of 8.0/10.0 (or 75% aggregate) in the Master's degree, first division in Bachelor's degree, and valid GATE score or NET qualified. Qualification/experience for JRF position will be as per DST norms.
9.	Desirable Qualification/Experience	Qualification and experience same as above.
10.	Accommodation	Bachelor accommodation in the Institute will be provided and campus accommodation may be provided to married students subject to availability.

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

Name : **Dr. Partha Saha, Assistant Professor**
Address: Department of Ceramic Engineering,
National Institute of Technology (NIT), Rourkela
Rourkela- 769008.
Telephone No: +91-661-246- 2211 (office)
E-mail: sahap@nitrkl.ac.in

Date and Time for **On-line / Walk-in** Interview: **25.01.2022 at 10.00 AM**

Place of Interview: Department of Ceramic Engineering NIT Rourkela, National Institute of Technology Rourkela.

Eligible candidates may apply within **20.01.2022, 2359 HRS**. The candidates are required to send the complete filled up application form (Soft copy) to sahap@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 (sahap@nitrkl.ac.in) **on or before 20.01.2022, 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 cancelled 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 (SRICCE)

Copy to:

1. All Heads of the Departments, NIT, Rourkela for publication on Departmental Notice Boards.
2. **Prof. Partha Saha**, Principal Investigator with a request to give wide publicity to advertisement.
3. Head of the Department, CR.
4. Project file.