



**राष्ट्रीय प्रौद्योगिकी संस्थान दुर्गापुर**  
**NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR**  
**DEPARTMENT OF CHEMICAL ENGINEERING**  
Mahatma Gandhi Avenue, Durgapur 713209, West Bengal, INDIA

Advt. No.: NITD/SRCC/ChE/JRF/DST-WTI/01/2023

Date: September 15, 2023

**Advertisement for the post of Junior Research Fellow (JRF)**

"Applications are invited from Indian citizens for the following position to work on a project funded by the Department of Science and Technology, Government of India (DST/TMD/EWO/WTI/DM/2021/83). Essar Oil and Gas Exploration and Production Limited, Durgapur-713212, West Bengal, is a collaborator on this project.

**Project Title:** Technological Advancements for Sustainable Treatment of Coal Bed Methane Produced Water via Integrated Desalination Device.

The primary objective of this work is to perform the primary, tertiary, and post-treatment of CBM-Produced water, along with toxicity analysis at each stage, with the ultimate goal of technology transfer to the industry.

**Funding Agent:** Department of Science and Technology, Government of India.

**Duration:** 3 years/or as per project duration."

Name & No of the Post	Eligibility qualifications	Duration	Fellowship
Junior Research Fellow (purely temporary)  No of the Post: One (01)	M.E/M.Tech in Chemical Engineering/ Chemical Technology/Biotechnology/Nanotechnology/ Biochemistry/Environmental Science/ Bioprocess Engg or allied subject with minimum 6.5 CGPA or 60% marks from any recognized Institute /University.  OR M.Sc. in Chemistry with valid NET/GATE score and with minimum 6.5 CGPA or 60% marks from any recognized Institute / University. Any other National level examinations conducted by Central Govt. Departments and their agencies and institutions such as DST, DBT, IIT, IISc. IISER etc. will also be considered. Working experience in the field of wastewater treatment/environmental biotechnology or related field with publications is preferable. NET /GATE candidate will be preferred. Selected candidate can register for PhD program under this project.	3 years (subject to funding and satisfactory performance of the candidate).	Rs. 31,000/- + HRA (as per DST or institute norms, whichever is applicable) per month for 1 <sup>st</sup> and 2 <sup>nd</sup> year and Rs. 35,000/- + HRA (as per DST or institute norms, whichever is applicable) per month for the 3 <sup>rd</sup> year. Accommodation inside NITD campus is subjected to availability. If availed, HRA will not be given.

## **How to apply:**

The eligible and interested candidates are encouraged to apply for the **online interview** by sending a cover letter and their complete bio-data mentioning communicating address, DOB, email, contact no, educational qualifications, relevant research experience (if any), publications, research interests to the Principal Investigator e-mail ID (jsikder.che@nitdgp.ac.in) and subject line of the mail should be “**Application for the post of JRF in DST-WTI Project-2023**”, on or before OCTOBER 10, 2023.

## **Important Dates:**

**Publication of the advertisement: September 16, 2023**

**Deadline for submission of application: October 10, 2023**

**Intimation to the shortlisted candidates: October 13, 2023**

**Tentative date of interview: October 16, 2023**

**Tentative start date: October 19, 2023**

## **Terms and Conditions:**

1. Shortlisted candidates will be called for an online interview. The interview date and other details will be emailed to the shortlisted candidates.
2. The above position is purely temporary and is for three years. Selected candidates will not be entitled to claim regular appointments/absorption in this institute.
3. The selected candidate will be required to produce the original ID proof, original mark sheets, certificates, etc., at the time of joining; otherwise, their candidature will be canceled.
4. Applications must reach the specified deadline to be entertained.
5. Canvassing in any form will result in disqualification of the candidature.
6. The selected candidate is expected to join immediately after recruitment.

### **Principal Investigator**

Dr. Jaya Sikder  
(9434788186)

Associate Professor

Department of Chemical Engineering

### **Co-Principal Investigator (s)**

Prof. Gopinath Halder  
(9434788189)

Department of Chemical Engineering

Prof. Dalia Dasguptamandal  
(9434788141)

Department of Biotechnology