

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
DEPARTMENT OF CHEMICAL ENGINEERING
ADVERTISEMENT TO FILL UP PROJECT POSITIONS*

Dated: 15/03/2026

Applications are invited from Indian nationals only for project position(s) as per the details given below for the consultancy/research project(s) under the supervision of the Principal Investigators, **Dr. Komal Tripathi, Department of Chemical Engineering**, Indian Institute of Technology Roorkee-247667

1. Title of project- Catalyst Development for Green and Clean Energy, specifically Targeting CO₂ conversions to value-added fuels and chemicals

2. Sponsor of the project: M/s Abhitech EnergyCon Limited

3. Project position(s) and number- Junior Research Fellowship (JRF); 01 (one)

4. Essential Qualification: CSIR/UGC-NET/GATE qualified MTech. /M.E./M.Sc. or equivalent in Chemical Engineering/Chemical Technology/Allied disciplines in Engineering and Sciences. B.Tech./B.E.in the above disciplines with a minimum CGPA of 8.0/10, graduated from a Centrally Funded Technical Institute (CFTI) with a valid GATE score, are also eligible. CSIR/UGC-NET/GATE score should not be more than 5 years old.

5. Emoluments

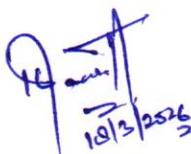
Sl. No.	item	Rates
1	Junior Research Fellowship (JRF) (01)	Rs. 37,000 + HRA /- (per month per candidate)

6. Job Description- The project involves developing new catalysts/materials and their performance evaluation for CO₂ conversion. This would also involve in-situ materials characterization for mechanistic studies and performing experiments on a laboratory-scale reactor setup with transient operation, followed by a transition to a pilot-scale reactor setup.

7. The selected candidate may have the opportunity to enrol in the Ph.D. program at the Indian Institute of Technology Roorkee, subject to fulfilling the institute's admission requirements.

8. Duration: 3 years or the project completion duration, whichever is earlier.

9. Before appearing for the interview, candidates should ensure they are eligible for the position they intend to apply for.


 15/3/2026





contd. 2/-

10. Preference will be given to SC/ST candidates on equal qualifications and experience.
11. No TA/DA is admissible for attending the interview.
12. The candidates who are interested in applying for the above post should submit complete information regarding educational qualifications, indicating the percentage of marks/division, details of work experience, etc., by e-mail with the advertisement No. On the subject line, JRF application Abhitech IITR to **Dr. Komal Tripathi** at email ID: komal.tripathi@ch.iitr.ac.in
13. **Only short-listed candidates will be informed of a walk-in interview.** In case any clarification is required on eligibility regarding the above post, the candidate may contact Dr. Komal Tripathi at email ID: komal.tripathi@ch.iitr.ac.in

Note: Interview will be held at the Department of Chemical Engineering, IIT Roorkee, on **April 07, 2026 (Tuesday)** at **15:00 Hrs.** (*to be given in hybrid mode, i.e., Online and walk-in interviews*)

The last date for submitting completed applications by email is **March 31, 2026 (Tuesday)**.

Tel: 01332-285205

Komal Tripathi

17/03/2026

Dr. Komal Tripathi (Principal Investigator)

Copy to:

1. Dean, SRIC, IIT Roorkee
2. Institute Website, IIT Roorkee

Approved

[Signature]
19/3/26

Dean

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Indian Institute of Technology Roorkee
Roorkee-247 067 (INDIA)

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