INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

DEPARTMENT OF CHEMICAL ENGINEERING

Advertisement for the position of Post Doctoral Fellow

Title of project: Scale up studies on treatment of industrial effluents to generate fuel gas mixture and clean water for disposal

Application Procedure

- *Candidates should submit a covering letter, curriculum vitae, PhD degree (Provisional or final certificate), list of publications, Research Statement and any other relevant documents in a single PDF file by e-mail, to: n.reddy@ch.iitr.ac.in.*
- *Last date for submission of application is November 26th, 2026. Applications received beyond this date will not be considered.*

Essential & Desirable Qualification

1. The candidate must have completed a Ph.D. in Chemical Engineering/ Environmental Engineering / Mechanical Engineering/ Energy Engineering .
2. The candidate must have published 3 or more internationally referred high-quality SCI (Science Citation Index) journal articles, as a first author from his/her Ph.D. research.
3. The candidates should have hands-on experience on Characterization (XRD, FESEM, TEM, BET, XRF, XPS etc) and quantification equipment (COD, BOD, TOC, GC-MS, LC-MS) along with continuous flow experiments.

Duration and fellowship amount

The duration of the fellowship will be for two years. The Fellowship may be terminated by either side by giving one-month notice. A consolidated fellowship of Rs. 80,000 (+ HRA) per month for two years and a contingency of Rs. 50,000/year will be awarded to Post-Doctoral Fellows.

Responsibilities

- The candidate should be able to perform and design experiments related to hydrothermal/thermochemical gasification of complex liquid industrial streams to generate fuel components and value-added products.

- The candidate should work on gas purification along with treatment to achieve high purity gases and applications of carbon nanomaterials for commercial applications.
- The candidate should be able to write and review the manuscripts, reports and videos related to the research work.
- The candidate should assist in academic activities like mentoring undergraduate/Postgraduate students, Teaching assistantship, conducting research discussion and training on the sophisticated equipment.

12/11/25

(Head of Department)
Department of Chemical Engg

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