

Applications Invited for Post-Doctoral Research Fellowship. Apply by filling this form <https://forms.gle/sC5CcokZ6DhpHJeM8>

Position – Post-Doctoral Research Fellow (Carbon Capture and Utilization) under CLEANZ CoE

Type of Position – The position is for one year, with an extension subject to performance through a review process.

Fellowship – Consolidated pay Rs. 70,680 to Rs 85,000 per month (including HRA) based on post-doc experience

Experience – Fresh Ph.D. (at least provisional degree certificate awarded)/ preferably with some post-doc Experience

Eligibility –

- Ph.D. in Environmental Engineering/Biotechnology/Microbiology/Chemical Engg/Climate Change or other allied areas.
- Experience with handling chromatography instruments preferred.
- Experience with electrochemistry preferred.
- Publication in Scopus indexed journals will have an added advantage.
- Candidates who have previous experience in designing and developing experimental setups preferred
- The candidate should have good academic records throughout and good writing/communication skills.
- Candidates should not have published in Predatory Journals.

Job Description –

- Design and development of a prototype of a bioelectrochemical system for the conversion of CO₂ into fuels and chemicals.
- Determination of CO₂ uptake and influence of other components in the flue gas on CO₂ uptake
- Identification and optimization of lipid producing strains, enhancement of lipid in cells and extraction
- Report preparation, article writing and lab management.

Performance Matrices –

- IP generated, papers published, review performance

Expected Outcomes – IP, Scalable Technology

Domain Areas of Interest Include –

1. Bioelectrochemistry
2. Microbiology
3. Microalgal technologies

How To Apply –

- Candidates, who fulfill the eligibility criteria, should apply by filling this form <https://forms.gle/nfgBVtdvKj6Kg3YC6> by 30/06/25. Please write a short research proposal on carbon capture based on adsorption/microalgae/microbial electrosynthesis
- For more details, please visit <https://cleanz.coe.iith.ac.in/index.html>

Selection Procedure –

- Candidates will be shortlisted based on their eligibility criteria, academic record, and relevant experience
- Only shortlisted candidates will be intimated through email for the interview by the selection committee
- Merely meeting the criteria may not guarantee a call for an interview
- The position will be left vacant and a new advertisement with an extended date will be given if no suitable candidate is found.

Other criteria –

- Accommodation will not be provided by CLEANZ
- Accommodation in IIT HYDERABAD will be subjected to availability (without HRA component as per norms).
- Please note that the position is on-site & within IIT Hyderabad campus.