



BITS Pilani
Hyderabad Campus

PhD Position in Environmental Science and Technology



Jointly Supervised by Senior Faculty Members
from BITS Pilani and IIT Roorkee

Project Title: Integrated CO₂ Recirculation and Hydrogenotrophic Biomethanation for Enhanced Methane Recovery from Anaerobic Digestion Systems



Prof. P. Sankar Ganesh

PhD Supervisor

Professor (Research Track)

BITS Pilani, Hyderabad Campus



Scan for more info

Project Overview

Biogas from anaerobic digestion contains significant concentration of CO₂, reducing methane purity and energy value. This project focuses on integrating membrane-based CO₂ separation and its in-situ recirculation to enhance methane recovery and carbon utilization.

Essential Qualifications

MTech/ M.E in Biotechnology/ Environmental Science and Technology/ Environmental Engineering/ Chemical Engineering from a recognized university, with minimum 60% aggregate marks or equivalent CGPA.

Desired Skills

Prior experience in anaerobic digestion/ CO₂ capture and valorization/ Membrane separation.



Fellowship

37,000 + 30% HRA per month
Annual Contingency: 20,000/-



No. of Positions

One



How to Apply

Please apply with:

- (i) cover letter
- (ii) detailed resume with contact details of two references as a single PDF via email to valorization@hyderabad.bits-pilani.ac.in

Subject line:

“Application for EST PhD Position”

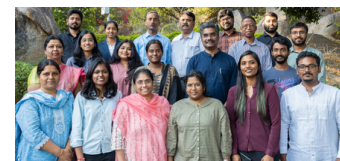


Application Deadline: 25.07.2026



BITS Environmental Science & Technology (BEST) Lab

In the Process of Creating a Sustainable Tomorrow... Today



Best Lab Team