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Research Experience: 8 years

Patents: Granted: 0 Applied: 03

Research Focus :

- Carbon dioxide separation using polymer-nanocomposite hydrogel.
- Biogas purification using polymer-nanocomposite hydrogel.

Technology Licensed: NA

Technologies (Proof of Concept- POC): TRL level 3:

1. Polyacrylamide-piperazine-copper oxide nanocomposite hydrogel for biogas purification.
2. Polyacrylamide-Piperazine hydrogel for efficient purification of biogas.

Interested Industry member kindly connect through:
Email Id: icc-industryacademia@iccmil.in

Technologies under development:

- Automated prototype using IOT for efficient carbon dioxide capture.

Targeted Industries:

- Biogas industries.
- Any industry discharging CO₂.

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