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Removal of carbon dioxide from pressurized landfill gas by physical absorbents using a hollow fiber membrane contactor

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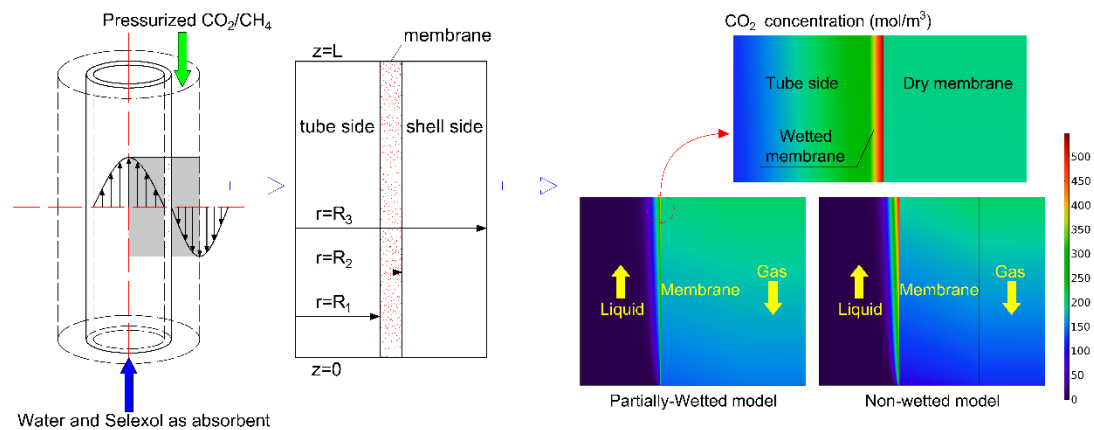
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Graphical abstract



Highlights

- Removal of CO₂ from landfill gas using membrane contactor at pressures up to 1.2 Mpa.
- Polyethylene glycol dimethyl ether was first used as absorbent in membrane contactor.
- Mathematical model was able to simulate the absorption process at elevated pressures.

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