Special Issue

Carbon Capture, Transportation, Utilization and Storage (CCUS) Process Optimization (CCUSPO)

Message from the Guest Editors

CCUS is an important way to reduce carbon emissions, including but not limited to carbon capture, carbon dioxide transportation, carbon dioxide utilization, and carbon dioxide sequestration. Although CCUS has made significant progress, CCUSPO is still required for further research. This Special Issue will explore modelling and optimization methods for various CCUS processes to improve process energy efficiency, reduce process consumption, and achieve the goal of reducing carbon reduction costs.

- CCUS process modelling
- CCUS optimization
- CCUS parameter sensitivity analysis
- CCUS energy consumption and carbon emission assessment
- CCUS economic evaluation
- CCUS process dynamic modelling
- CCUS process dynamic optimization

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Editor-in-Chief

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