



Carbon Dioxide Storage in Hydrate Reservoirs

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submissions:

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Message from the Guest Editor

Dear Colleagues,

This Special Issue "Carbon Dioxide Storage in Hydrate Reservoirs" seeks to contribute to this discussion through enhanced scientific and multidiscipline studies in this research area. Topics of interest for publication include but are not limited to:

- Interactions between the injected CO₂ and the initial natural gas hydrate and the CO₂ enclathration process on a molecular level;
- Interactions between sediments, microorganisms, and the injected CO₂ and their influence on the resulting hydrate phase;
- Multiphase behavior of pore water, injected CO₂, and the hydrate phase;
- CO₂ hydrate formation process and kinetics under conditions close to nature;
- Evaluation of the economic feasibility of the usage of CO₂ as a method for CH₄ production from natural gas hydrate reservoirs;
- Technical challenges and developments related to the storage of CO₂ in natural gas hydrate reservoirs;
- Predictions of the long-term behavior of injected CO₂ in hydrates and sustainability of CO₂ storage;
- Assessment of potential environmental risks.





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Message from the Editor-in-Chief

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