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Recent Advances in Gas Hydrate Research Related to the Flow, Storage and Transport of Gases

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Deadline for manuscript
submissions:

closed (5 April 2024)

Message from the Guest Editors

Dear Colleagues,

We are pleased to present this novel Special Issue concerning "Recent Advances in Gas Hydrate Research Related to the Flow, Storage and Transport of Gases". The purpose of this Special Issue is to compile recent experimental and field observation studies along with theories and numerical simulations for the advancement of our understanding of gas hydrate in flow assurance, gas storage and transportation technology. Possible topics include, but are not limited to, the following:

- The risk management of flow assurance;
- The dynamic behavior of gas hydrates in gas flowline;
- Advanced analytical methods and modeling for gas hydrates in flowline;
- The molecular simulation of gas hydrate in flowline and transport;
- Advance computational approaches for gas hydrate in flowline and transport;
- Technological development and technical challenges for storing and transporting gas hydrates;
- The evaluation of the economic feasibility of storing and transporting gas hydrates;
- Optimal methodologies for storing gas in hydrates.



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Special Issue



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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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