Special Issue

Novel Approaches for Natural Gas Hydrate

Message from the Guest Editors

As a natural energy resource with huge reserves, natural gas hydrate (NGH) is considered a future alternative energy source. The extraction of natural gas hydrate resources is technically feasible. However, the gas production rate has not reached the threshold of commercial extraction, and the safety of long-term production has not been verified. Therefore, there is an urgent need to develop novel approaches for the efficient extraction of NGH. In addition, the cost for NGH management in conventional oil and gas production is a heavy burden for the industries. It is necessary to develop novel approaches for NGH management.
This Special Issue aims to present and disseminate the most recent advances related to the theory, experiment, modelling, and application of all types of novel approaches for NGH. Topics of interest for publication include, but are not limited to:

- NGH exploration
- NGH drilling
- NGH well completion
- NGH extraction simulation
- NGH management in flow assurance
- Novel technologies based on NGH
- CCS related to NGH
- Fundamentals of NGH

Guest Editors

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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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