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CO₂ Capture, Storage, Utilisation and Sequestration and Hydrocarbon Extraction

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Deadline for manuscript submissions:

closed (20 November 2021)

Message from the Guest Editors

Submissions are invited to a special issue of the *Energies* journal on the topic of *CO₂ Capture, Utilisation, Storage/Sequestration and Hydrocarbon Recovery*. CO₂ is a major greenhouse gas and its alarming increase contributes significantly to the global climate change. Plausible strategies for meeting the set CO₂ reduction targets include CO₂ capture and storage along with its utilization and sequestration. Recently, CO₂ has been employed to replace CH₄ trapped in the natural hydrate deposits. This promising approach paves way to secure the future energy necessities and alleviates CO₂ emissions simultaneously.

This special issue aims to publish original research/review articles focusing on salient aspects of CO₂ capture, storage, utilisation & sequestration including but not limited to existing/novel materials, potential technologies/associated process development. Substitution of CO₂ with CH₄ from hydrate deposits coupled with CO₂ sequestration is also considered. Further, this issue is also open for emerging hydrocarbon extraction techniques utilizing CO₂ to enhance the efficiency, versatility, yield and safety of the hydrocarbon recovery process.



mdpi.com/si/46010

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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