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## CO<sub>2</sub> 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 *CO<sub>2</sub> Capture, Utilisation, Storage/Sequestration and Hydrocarbon Recovery*. CO<sub>2</sub> is a major greenhouse gas and its alarming increase contributes significantly to the global climate change. Plausible strategies for meeting the set CO<sub>2</sub> reduction targets include CO<sub>2</sub> capture and storage along with its utilization and sequestration. Recently, CO<sub>2</sub> has been employed to replace CH<sub>4</sub> trapped in the natural hydrate deposits. This promising approach paves way to secure the future energy necessities and alleviates CO<sub>2</sub> emissions simultaneously.

This special issue aims to publish original research/review articles focusing on salient aspects of CO<sub>2</sub> capture, storage, utilisation & sequestration including but not limited to existing/novel materials, potential technologies/associated process development. Substitution of CO<sub>2</sub> with CH<sub>4</sub> from hydrate deposits coupled with CO<sub>2</sub> sequestration is also considered. Further, this issue is also open for emerging hydrocarbon extraction techniques utilizing CO<sub>2</sub> to enhance the efficiency, versatility, yield and safety of the hydrocarbon recovery process.



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**Special Issue**



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## Editor-in-Chief

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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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