Special Issue

CO_2 Capture, Storage, Utilisation and Sequestration and Hydrocarbon Extraction

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.

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Deadline for manuscript submissions

closed (20 November 2021)

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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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