

Special Issue

Advances in Carbon Dioxide (CO₂) Enhanced Oil Recovery (EOR) and Carbon Capture and Storage (CCS)

Message from the Guest Editors

The purpose of this Special Issue is to examine recent developments, innovative methodologies, and practical applications in CO₂-EOR and CCS. Contributions addressing fundamental, technological, economic, and environmental aspects are encouraged, which will provide insight into the development of sustainable practices and policies. A wide range of topics (research articles and reviews) are welcomed, including, but not limited to, the following:

- Innovations in CO₂-EOR techniques and reservoir optimization;
- Advances in CO₂ capture technologies;
- Geological and environmental studies on CO₂ storage integrity and monitoring;
- Integration of CO₂-EOR and CCS in energy transition strategies;
- Novel materials and processes for CO₂ utilization and recycling;
- Life cycle analysis and carbon footprint reduction in CO₂-EOR and CCS projects;
- Modeling and simulation studies for predicting CO₂ transport in porous media, storage, and recovery.

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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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