

Special Issue

CO₂ EOR and CO₂ Storage in Oil Reservoirs

Message from the Guest Editor

This special issue documents a rapidly developing cluster of mitigation technologies and protocols to reduce atmospheric release of CO₂ from point sources, known as Carbon Capture Use and Storage (CCUS). We summarize and link results from the recent developments in CO₂ use for Enhanced Oil Recovery (CO₂-EOR) and associated long-term geologic storage. We will explore the developing policy and technical progress to link greenhouse gas management rules and incentives to EOR projects, provide case studies of example applications, and evaluate prospects for technology expansion. Frameworks for accounting for injected CO₂, recycled gases, and energy use (lifecycle issues), monitoring to document that isolation from the atmosphere is effective, and new evaluations of optimization of EOR to improve project economics and open new CCUS opportunities will be the special issue contributions.

Guest Editor

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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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