



CO₂ Injection and Storage in Reservoir

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Deadline for manuscript
submissions:

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Message from the Guest Editors

For decades, special interest has been focused on the underground injection CO₂ stream, which is used to enhance oil and gas recovery.

The purpose of the SI is to assist in advancing the existing and potential research and development of carbon injection and storage technologies. The relevant research should address key technical challenges; facilitate data collection, sharing, and analysis; evaluate data sets; and promote the interdisciplinary transfer of technology. Moreover, the topic on improved mapping and characterization of all significant CO₂ sources and potential storage zones and transport pathways for CO₂ in the reservoirs will also be considered.

This Special Issue will mainly cover original research and studies on the above-mentioned topics, including, but not limited to, improving the efficiency of oil recovery by CO₂, CO₂ geological storage, geochemical and geomechanical property alternation of CO₂ injection and storage, numerical simulation, CO₂ plume detection and monitoring, risk analysis associated with CO₂ geological sequestration, environmental issues and regulations, machine-learning-associated research on CO₂ pathway identification, and so on.





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Message from the Editor-in-Chief

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