



CO₂ Enhanced Oil Recovery and Carbon Sequestration

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Deadline for manuscript
submissions:
closed (20 July 2023)

Message from the Guest Editors

Further research and development are drastically needed to address the many technical challenges associated with CO₂ EOR and carbon sequestration.

In this Special Issue, we invite experts to submit articles which report on the recent technological developments in the following areas of CO₂ EOR and carbon sequestration: laboratory studies and experimental measurements, theoretical studies and numerical simulations, phase behavior and PVT studies, miscibility mechanisms, modified CO₂ injection techniques, wellbore technologies, multiphase flow in reservoir, evaluation of storage capacity, leakage detection and measurement technologies during CO₂ storage, geochemical reactions during CO₂ injection and storage, geomechanical aspects of CO₂ injection and storage, coupled thermal/hydrological/mechanical simulation of CO₂ injection, CO₂-based hydraulic fracturing techniques, effect of impurities on the process efficiency, robust optimization of CO₂ EOR and sequestration, economic analysis, life-cycle analysis, etc. Both original research articles and review articles will be welcome.





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Message from the Editor-in-Chief

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