Special Issue

CO_2 Injection and Storage in Reservoir

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 geomechnical 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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Deadline for manuscript submissions

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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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