Special Issue

Potential Evaluation of CO_2 EOR and Storage in Oilfields

Message from the Guest Editor

CO2 storage in oilfields is a very important part of CCUS technology. CO2-enhanced oil recovery (CO2 EOR) can increase crude oil production while reducing carbon emissions, thus achieving economic benefits. CO2 EOR has the greatest potential for CO2 utilization among all CCUS technologies. This Special Issue aims to present and disseminate the most recent advances related to the theory, modelling, and application of all types of CO2 geological storage and CO2 EOR in oilfields all over the world. Topics of interest for publication include, but are not limited to:

- All aspects of CO2 storage in oilfields, gas fields, coalbed methane fields, hydrate fields, basalt fields, etc.
- Feasibility, potential and mechanism of CO2 EOR in oil and gas fields.
- Potential assessment method.
- CO2 EOR economic analysis.
- Advanced reservoir modelling.
- Advanced reservoir simulation.
- CO2 EOR optimal design.
- Regional CO2 EOR and storage project clusters.
- Typical oilfield CCUS cases.

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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