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State of the Art Geo-Energy Technology in North America

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Deadline for manuscript
submissions:

closed (10 January 2023)

Message from the Guest Editors

Geo-energy has played a significant historical role in industrial development, health promotion, technology enhancement, and sustainability through the extraction of oil, natural gas, and coal. With 36.1 billion metric tons of proved oil reserves (2020), North America is expected to remain the main contributor to the global hydrocarbon supply chain. Hence, it is essential to develop technologies for efficient and responsible utilization of hydrocarbon resources. With continuous oil and natural gas deployment in the foreseeable future energy scheme, geological CO₂ storage will be crucial in achieving net-zero emission programs in North America.

This Special Issue aims to collect original research papers focused on “State-of-the-Art Geo-Energy Technology in North America”. Submissions are welcome in the following areas:

1. Recent advances in geological CO₂ storage;
2. Enhanced geothermal energy recovery;
3. Integrated CO₂ storage and geothermal energy recovery;
4. New methods for subsurface energy storage;
5. Conventional/unconventional hydrocarbon reservoirs E&P;
6. Fluid flow in porous media;
7. Data science in geo-energy;
8. Subsurface risk assessment.



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Special Issue



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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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