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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 CO_2 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 CO_2 storage;
2. Enhanced geothermal energy recovery;
3. Integrated CO_2 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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Message from the Editor-in-Chief

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