

## Special Issue

# Challenges and Opportunities of Oil and Gas Engineering in a Low-Carbon and Intelligent Future

### Message from the Guest Editors

This Special Issue aims to present and disseminate the most recent advances related to the challenges and opportunities of oil and gas engineering in the context of a low-carbon and intelligent future. Topics of interest for publication include, but are not limited to, the following:

- Integration of renewable energy sources/techniques in oil and gas industry
- Advanced materials for drilling, fracturing and enhanced oil recovery
- Smart drilling, fracturing and production based on artificial intelligence
- Applications of digital twin technology, digitalization and data analytics
- Carbon capture, utilization, and storage (CCUS) technologies
- CO<sub>2</sub> storage monitoring and long-term simulations

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### Guest Editors

Dr. Lei Hou  
Prof. Dr. Tianshou Ma  
Dr. Daigang Wang

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### Deadline for manuscript submissions

closed (8 October 2024)



## Energies

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## About the Journal

### 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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### Editor-in-Chief

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