

Special Issue

New Progress in Unconventional Oil and Gas Development: 2nd Edition

Message from the Guest Editors

This Special Issue aims to bring together original research articles and review articles highlighting recent advances in various subjects addressing new numerical, experimental, and theoretical approaches to developing unconventional oil and gas. Potential topics include, but are not limited to, the following:

- Experimental studies of hydraulic fracturing;
- Numerical studies of hydraulic fracturing;
- Optimizations of fracturing technology;
- Monitoring methods of the fracture propagation process;
- Characterizations of multi-scale fractures;
- Multiscale and multiphase flows in unconventional reservoirs;
- Petrophysical models and experimental methods for unconventional reservoirs;
- Characterizations of rock mechanical properties for unconventional reservoirs;
- CCUS (carbon capture, utilization, and storage) related to unconventional oil and gas development;
- New enhanced oil/gas recovery methods and mechanisms;
- Drilling, completion, and related reservoir damage and stimulations;
- Induced-risk assessments of reservoir development.

Guest Editors

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Deadline for manuscript submissions

closed (10 April 2026)



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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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