Special Issue

New Progress in Unconventional Oil and Gas Development

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 study of hydraulic fracturing;
- Numerical study of hydraulic fracturing;
- Optimization of fracturing technology;
- Monitoring method of the fracture propagation process;
- Characterization of multi-scale fractures;
- Multiscale and multiphase flow in unconventional reservoirs;
- Petrophysical models and experimental methods for unconventional reservoir;
- Rock mechanical properties characterization for unconventional reservoir;
- CCUS (Carbon capture, utilization, and storage) related to unconventional oil and gas development;
- New enhanced oil/gas recovery methods and mechanism;
- Drilling, completion, and related reservoir damage and stimulation;
- Induced-risk assessment of reservoir development.

Guest Editors

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Deadline for manuscript submissions

closed (31 October 2024)

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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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