

## 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

Dr. Shan Wu

Dr. Xiaoqiong Wang

Prof. Dr. Mianmo Meng

Dr. Junrong Liu

### Deadline for manuscript submissions

20 October 2025



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/221848](https://mdpi.com/si/221848)

*Energies*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[energies@mdpi.com](mailto:energies@mdpi.com)

[mdpi.com/journal/  
energies](https://mdpi.com/journal/energies)





# Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/journal/  
energies](https://mdpi.com/journal/energies)



## 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.

---

### Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University  
Niccolò Cusano, 00166 Roma, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

CiteScore - Q1 (Control and Optimization)