

## Special Issue

# Geomechanics of Hydraulic Fracturing

### Message from the Guest Editors

For this Special Issue of *Energies*, we are looking for original contributions towards better understanding the geomechanics of the hydraulic fracturing technique to furnish a useful summary of latest developments in this area for practitioners and researchers. We welcome manuscripts of comprehensive reviews, micro- to macro-scale experimental studies, field-scale studies, and analytical and numerical investigations related to the geomechanics of hydraulic fracturing. The topics of interest for publication include, but are not limited to:

- General geomechanics/rock mechanics aspects of hydraulic fracturing
- Fault reactivation and induced seismicity
- Hydraulic fracture-natural fracture interaction
- Proppant placement and fluid flow behaviour of hydraulically-stimulated fractures
- Wellbore stability and fracture nucleation
- Field monitoring and assessment of hydraulic fracturing
- Thermo-hydro-mechanical (THM) behaviour of rocks

### Guest Editors

Dr. Wasantha Liyanage

College of Sport, Health and Engineering, Institute of Sustainable Industries and Liveable Cities, Victoria University, Melbourne, VIC 3011, Australia

Prof. Dr. Chaoshui Xu

School of Civil, Environmental and Mining Engineering, University of Adelaide, Adelaide, SA 5005, Australia

### Deadline for manuscript submissions

closed (30 January 2022)



## Energies

an Open Access Journal  
by MDPI

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/68447](https://mdpi.com/si/68447)

*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)