

## Special Issue

# Geomechanics and Reservoir Simulation

### Message from the Guest Editors

In recent years, considerable progress has been made in the study of geomechanics and reservoir simulation. Moreover, recent advances in geomechanics-based geoen지니어ing enable scientists to research different scales of oil and gas reservoir exploitation in laboratories. With the in-depth development of multidisciplinary intersections, big data, artificial intelligence algorithms, and others, many new methods have been introduced into geomechanics and reservoir simulation, and a number of new research results are emerging. The purpose of this research topic is to describe new developments and to expound basic theories, technical methods, field practices, and technological frontiers in geomechanics and reservoir simulation. This research topic will collect comprehensive review articles and original research articles of any scientific work and fundamental study for “geomechanics and reservoir simulation”.

### Guest Editors

Prof. Dr. Jingshou Liu  
Prof. Dr. Wenlong Ding  
Dr. Jianhua He

### Deadline for manuscript submissions

closed (20 December 2023)



## Applied Sciences

an Open Access Journal  
by MDPI

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/157587](https://mdpi.com/si/157587)

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

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

[applsci](https://doi.org/10.3390/applsci)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



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



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, 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, Inspec, Embase, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )