

## Special Issue

# Exploration Geophysics and Seismic Surveying

### Message from the Guest Editor

This Special Issue of *Applied Sciences*, entitled ‘Exploration Geophysics and Seismic Surveying’, addresses both theoretical innovations and practical applications. The scope of this Special Issue includes the acquisition, processing, and interpretation of seismic data; advancements in seismic wave inversion and imaging techniques (e.g., full waveform inversion, reverse time migration); and the integration of artificial intelligence (AI) and machine learning (ML) into geophysical data analysis. The Special Issue also highlights the development of technologies for marine and terrestrial exploration, challenges in subsurface imaging, and case studies demonstrating novel methodologies. We encourage the submission of contributions that discuss sustainable practices, improvements in the accuracy of resource detection, and computational efficiency in seismic modeling. This Special Issue aims to foster collaboration among geophysicists, engineers, and data scientists, providing a platform for the dissemination of cutting-edge research that bridges traditional geophysical methods with modern computational tools.

---

### Guest Editor

Dr. Guoxin Chen  
Ocean College, Zhejiang University, Zhoushan, China

---

### Deadline for manuscript submissions

30 December 2026



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/231464](https://mdpi.com/si/231464)

*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://mdpi.com/journal/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 )