

Special Issue

Applications of Artificial Intelligence in Geotechnics and Engineering Geology

Message from the Guest Editors

In recent years, artificial intelligence technology has been widely used in geological disaster monitoring and early warning, geotechnical engineering, and oil and gas exploration and development. The goal of this Special Issue is to collect high-quality papers on the applications of artificial intelligence in the fields of geotechnics, engineering geology, and resource exploration. We encourage researchers from the fields of geophysics, geotechnics, signal processing, artificial intelligence, engineering geology, applied mathematics, structural geology, and other relevant fields to participate in this research topic. Topics of interest for this Special Issue include, but are not limited to:

- New AI-driven approaches in geotechnics and engineering geology;
- New AI-driven approaches for resource exploration;
- AI-driven approaches for structural analysis;
- AI-driven approaches for formation evaluation;
- AI-driven approaches for reservoir characterization;
- New data-driven approaches in geological disaster monitoring and early warning;
- Complex structure imaging and inversion.

Guest Editors

Prof. Dr. Yaojun Wang

School of Resources and Environment, University of Electronic Science and Technology of China, Chengdu 610056, China

Dr. Bangyu Wu

School of Mathematics and Statistics, Xi'an Jiaotong University, Xi'an 710049, China

Deadline for manuscript submissions

closed (20 November 2024)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/164469

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

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





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)