

Special Issue

Trends and Prospects in Geotechnics

Message from the Guest Editors

The world is constantly changing and so is geotechnics. Geotechnical works, such as embankments, deep and shallow foundations, retaining structures, tunnels, dams, and slopes, among others, benefit from such advances. Therefore, papers focusing on such emerging topics and related to research, design, construction or performance of geotechnical works are welcomed. Suitable topics for this Special Issue include but are not limited to:

- New technologies of design, construction, and survey of geotechnical works;
- Behavior of geomaterials;
- New constitutive soil models;
- Biobased methods for soil improvement (use of bacteria, enzymes, and biopolymers);
- Use of nanotechnology in geotechnics;
- Smart soils and smart geosynthetics;
- Use of artificial intelligence techniques in geotechnics;
- Energy geotechnics;
- Soil stabilization with eco-binders;
- Sustainability in geotechnics;
- Climatic effects in geotechnical works;
- Environmental geotechnics;
- Earthquake engineering;
- Computer modeling.

Guest Editors

Prof. Dr. Paulo José da Venda Oliveira

Department of Civil Engineering, University of Coimbra, 3030-788 Coimbra, Portugal

Dr. António Alberto Santos Correia

Department of Civil Engineering, University of Coimbra, 3030-788 Coimbra, Portugal

Deadline for manuscript submissions

closed (20 December 2021)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/67508

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

mdpi.com/journal/

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





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, CAPlus / SciFinder, and other databases.

Journal Rank:

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