

## Special Issue

# Advances in Sustainable Construction Materials and Geotechnical Engineering

### Message from the Guest Editors

Dear colleagues, The topics covered in this Special Issue include the use of industrial, agricultural byproducts and other waste as sustainable and green materials in the construction field and in geotechnical engineering. Research papers must discuss recent advances and techniques related to the geotechnical and construction fields concerning the use of low-carbon binders, geo- and bio-polymers, natural renewable resources in the material design, and stabilization techniques. The economy and renewability of natural resources (energy and materials), sustainable and eco-friendly development, the limitation of greenhouse gas emissions, the effects of climate change, recycling, and waste reduction are all factors that must be considered in the development of sustainable materials. Papers may also include case studies on applications in the areas mentioned. keywords:

- sustainable materials
- green materials
- low carbon binder
- earth materials
- geopolymer
- biopolymer
- stabilization/solidification technique
- waste recycling
- byproducts

---

### Guest Editors

Prof. Dr. Daniel Levacher

Faculty of Sciences, Geosciences department, Université de Caen Normandie, 14032 Caen, France

Prof. Dr. Kenichi Sato

Department of Civil Engineering, Fukuoka University, Fukuoka 8140180, Japan

---

### Deadline for manuscript submissions

closed (20 May 2023)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 6.1



[mdpi.com/si/125830](https://mdpi.com/si/125830)

*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://www.mdpi.com/journal/applsci)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 6.1



[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 (Fluid Flow and Transfer Processes)