

Special Issue

Sustainable and Low-Carbon Building Materials in Special Areas

Message from the Guest Editors

Generally, more attention is paid to the durability of structures in special areas. The bearing capacity and deformation of the foundation in such areas are also influenced by the properties of the surrounding medium. To better solve problems in special areas, it is of great importance to study the effects of sustainable and low-carbon building materials on the performance of both structures and foundations. This Special Issue on “Sustainable and Low-Carbon Building Materials in Special Areas” seeks high-quality works on the laboratory testing, field testing, and numerical modeling of sustainable and low-carbon building materials. Topics include but are not limited to the following:

- Concrete durability in special environments;
- Treatment of soil or foundation in special areas;
- Utilization of solid waste in building materials;
- Low-carbon construction methods;
- Life evaluation or prediction model of structures.

For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/applsci/special_issues/87D6JP3INK

Guest Editors

Dr. Gaowen Zhao

Dr. Shifeng Lu

Dr. Gang Liu

Dr. Le Wang

Deadline for manuscript submissions

30 November 2025



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/217651

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

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, CAPlus / SciFinder, and other databases.

Journal Rank:

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