



Sustainable Materials and Structures in Civil Engineering

Guest Editors:

Dr. Xun Xi

Dr. Xu Wu

Dr. Jinglai Sun

Dr. Jiajie Li

Deadline for manuscript
submissions:

closed (20 September 2024)

Message from the Guest Editors

Dear Colleagues,

Civil engineering materials and structures are essential in today's world. Increasing the sustainability of materials and structures in civil engineering has been an important but challenging topic. In particular, under the pressure of carbon neutrality, new knowledge is urgently required for understanding the performance of new materials and structures in regard to safety, stability, and sustainability for civil engineering development.

This Special Issue aims to cover recent research on the mechanical performance, reliability, stability, durability, and whole-life management of sustainable materials and structures in civil engineering. The Special Issue is focused on, but not limited to, new materials, structures, reusing waste for civil engineering, experimental methods, in situ monitoring/testing methods, theoretical models, and computational methods with respect to cement and concrete, low-carbon construction materials, rock mechanics, corrosion and deterioration, time-dependent reliability, prevention of deterioration, and fracture and failure at multi-scales.

Dr. Xun Xi

Dr. Xu Wu

Dr. Jinglai Sun

Dr. Jiajie Li

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, AGRIS, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (Geography, Planning and Development)

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](https://twitter.com/Sus_MDPI)