



Innovative and Sustainable Infrastructure Materials for Construction Resilience and Improved Productivity

Guest Editors:

Dr. Jaeheum Yeon

Dr. Yooseob Song

Dr. Hyunhwan Kim

Dr. Bongjun Ji

Deadline for manuscript
submissions:
closed (20 February 2024)

Message from the Guest Editors

Dear Colleagues,

The Fourth Industrial Revolution is deeply soaked not only in the industrial fields but also in the construction fields for improving construction productivity. Newly developed technologies that can achieve the purposes of construction projects without being labor-intensive and wasting construction materials are being actively introduced. In particular, sustainable construction materials are innovatively being developed to shift the existing paradigm of construction materials via, for example, self-healing cementitious composites, smart asphalt mix designs, the optimization of asphalt pavement selection, metals and alloys in extreme environments, data-driven construction materials design, machine-learning-based material assessment, and advanced construction materials characterization.

This SI welcomes your contributions to make these fields more elaborate. The topics associated with this Special Issue range from cementitious composites, asphalt, and alloys for infrastructure to data-driven infrastructure management. However, this Special Issue is not limited to this scope. Therefore, please feel free to submit your manuscripts to this Special Issue.





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, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](#)