sustainability

an Open Access Journal by MDPI

IMPACT FACTOR 3.3

CITESCORE 6.8

Intelligent Solutions for the Sustainability of Bridges and Structures—Second Edition

Guest Editors:

Prof. Dr. Wenwei Wang

Prof. Dr. Shan Li

Prof. Dr. Yingwu Zhou

Dr. Yazhou (Tim) Xie

Deadline for manuscript submissions:
closed (1 June 2024)

Message from the Guest Editors

Physical infrastructures, such as bridges, tunnels, and retaining walls, are prone to damage from disaster hazards, such as earthquakes, hurricanes, fires, impacts, and blast loadings. The failure of such infrastructures could lead to direct and indirect costs for the economy and society. Therefore, there is an urgent need to provide innovative and intelligent solutions for structural sustainability. An important theme under investigation is that of improving the structure's resistance during disasters via innovative materials, such as shape memory alloys (SMAs) and high-performance cementitious composites. Additionally, engaging intelligent solutions, such as smart health monitoring systems based on machine learning and computer vision, are also a promising approach for the maintenance of bridges and other infrastructures.

This Special Issue is gathering articles that present innovative ideas on various aspects of sustainable structures and aims to explore the future of intelligent solutions, especially in the design, construction, and maintenance of bridges and other physical infrastructures.

sustainability

IMPACT FACTOR 3.3

CITESCORE 6.8

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