

Special Issue

Intelligent Solutions for the Sustainability of Bridges and Structures

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. 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. This Special Issue is a gathering for innovative ideas on various aspects of sustainable structures and aims to explore the future of intelligent solutions especially for the design, construction, and maintenance of bridges and other physical infrastructures. In this context, we are pleased to announce this Special Issue with the general theme of “Intelligent Solutions for the Sustainability of Bridges and Structures”. Possible topics include, but are not limited to, the following:

- Reinforced concrete structures;
- Disaster hazards;
- Structural safety;
- Structural dynamics;
- Innovative retrofitting materials;
- Computational dynamic simulation;
- Smart structural health monitoring solutions;
- Machine learning;
- Computer vision.

Guest Editors

Prof. Dr. Wenwei Wang

Prof. Dr. Shan Li

Dr. Yi Bao

Dr. Yazhou (Tim) Xie

Deadline for manuscript submissions

closed (30 April 2023)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/125488

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

[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)



About the Journal

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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

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, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)