



Damage Diagnosis and Safety Assessment of Bridge Structures under Multiple Hazards

Guest Editors:

Prof. Dr. Kai Wei

Dr. Mingjin Zhang

Dr. Jian Zhong

Dr. Yutao Pang

Deadline for manuscript
submissions:

closed (15 November 2023)

Message from the Guest Editors

This Special Issue aims to gather manuscripts on the recent scientific developments in probabilistic hazard analysis, structural exposure models, damage diagnosis methods, testing and measurement techniques, dynamic behavior and protection technology, damage mechanism, risk assessment framework, and resilience-based approaches. It will provide important theoretical and technical support for bridge damage diagnosis and safety assessment, and promote communication and cooperation between design, construction, research, teaching, and production. This Special Issue welcomes original contributions and recent progress on the fundamental theory, research papers, and case studies on, but not limited to, the following topics:

- Dynamic behavior and mechanism of bridges under multiple hazards;
- New technology and methods of damage diagnosis for bridge structures;
- Intelligent sensing technology for bridge health monitoring;
- Risk- and resilience-based evaluation and design for bridges;
- Life cycle analysis, retrofit, and rehabilitation;
- Multi-disaster effect and vulnerability models;





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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

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.

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)

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](#)