

## Special Issue

# Disaster Analysis of Buildings and Infrastructure for Sustainable Interventions

### Message from the Guest Editor

Climate change, social implications and economic viability, as well as cross-sectoral building and energy relationships in buildings, heritage assets and cities, are part of the challenges facing the construction sector in the coming years, especially as economic losses attributable to natural hazards rise steadily. Relevant topics include, but are not limited to, the following areas:

- Life cycle-oriented building and infrastructure analysis, retrofit, and rehabilitation;
- Sustainable retrofitting solutions for buildings and infrastructures;
- Multi-disaster effect and vulnerability models;
- Disaster resilient built environment;
- Efficiency of low-impact interventions for heritage assets;
- Comparison of the effects of traditional and innovative strengthening systems;
- Energy saving in sustainable buildings and infrastructures;
- Experimental investigation and modelling of existing structures and their retrofitting solutions;
- Analytical and computational strategies for strengthening heritage buildings and bridges;
- Probabilistic, statistical, and machine learning-based methods;
- Structural vibration control technology and applications;
- Case.

---

### Guest Editor

Dr. Claudia Casapulla

Department of Structures for Engineering and Architecture, University of Napoli Federico II, Via Forno Vecchio, 36-80134 Napoli, Italy

---

### Deadline for manuscript submissions

closed (7 October 2023)



## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/si/165237](https://mdpi.com/si/165237)

*Sustainability*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto: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)