

## Special Issue

# Sustainability-Based Structural Design and Assessment under Independent and Interacting Hazards: Emphasis on Earthquake, Shock and Corrosion

### Message from the Guest Editors

The goal of this Special Issue is to provide a platform for reporting sustainability-based structural designs and assessment under independent and multiple hazards, which includes highly efficient seismic and shock resistance designs and assessments, novel sustainable theory and technologies, life-cycle design and assessment of structure, structure design and assessment under multiple hazards and so on. Contributions in the following topics are welcome (but they need not be limited to this list):

- Sustainability-based design and assessment methodologies;
- Sustainability-based assessment and lifecycle or material deterioration considerations;
- Sustainability-enhancing strategies for structures and systems;
- Development of highly sustainable components and structures;
- Quantitative and qualitative models and codes for seismic shock resistance performance;
- Structural seismic resilience assessment and improvement;
- Structural design and assessment under multiple hazards.

---

### Guest Editors

Prof. Dr. Chengqing Liu

Prof. Dr. Zhiguo Sun

Dr. Ying Ma

---

### Deadline for manuscript submissions

closed (31 March 2023)



**Sustainability**

---

an Open Access Journal  
by MDPI

---

**Impact Factor 3.3**  
**CiteScore 7.7**



[mdpi.com/si/102813](https://mdpi.com/si/102813)

*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. *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.

---

### 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

---

### 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, CAPIus / SciFinder, and other databases.

#### Journal Rank:

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