



## Life-Cycle Performance and Sustainable Techniques and Materials for Structural Connections

Guest Editors:

**Dr. Ioannis Boumakis**

Fischer Austria GmbH,  
Traiskirchen, Austria

**Prof. Dr. Panagiotis Spyridis**

Architektur und  
Bauingenieurwesen, TU  
Dortmund University, 44227  
Dortmund, Germany

**Dr. Muciaccia Giovanni**

Department of Civil and  
Environmental Engineering,  
Politecnico di Milano, 20133  
Milano, Italy

Deadline for manuscript  
submissions:

**31 May 2024**

### Message from the Guest Editors

Dear Colleagues,

The global future challenges of the recent past can already be seen in everyday life: intense urbanisation, demographic change, and the braking or even reversal of climate change, and all within a fast-paced digitalisation across any business and life aspect. The construction industry in particular is also facing respective challenges in terms of social, economic and environmental sustainability such as skilled workforce and occupational safety deficits, setbacks in digital integration and productivity and its significant addition to greenhouse gas emissions. Responding to these challenges requires faster and automated construction, moreover using sustainable construction elements and materials as well as clear life cycle and circular economy concepts. Structural connections play a crucial role in established as well as future-oriented building processes and technologies. The main goal of this Special Issue is to collect high-quality peer-reviewed articles that share the recent findings and developments regarding the life-cycle and sustainability performance of structural connections.





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, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sustainability](http://mdpi.com/journal/sustainability)  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)  
[X@Sus\\_MDPI](#)