

## Special Issue

# Sustainable Materials for Construction

### Message from the Guest Editors

Construction industry still represents one of the sectors with the highest environmental impacts, due to energetic and raw materials consumption, production of wastes (CDWs: construction and demolition wastes) and greenhouse gas emissions mainly related to cement manufacturing. So, considering the increasing awareness of global warming, there is a compelling need to replace cement in concrete with more eco-friendly alternative materials in order to strongly reduce its environmental impact. Additive manufacturing process is attracting growing attention for its promising advantage of addressing sustainable manufacturing issues, minimizing negative environmental impact through efficient resource utilization, especially when there is high complexity and customization of products. Finally, also the production of inexpensive, fire-resistant, energy-saving and environmentally friendly sound absorbing and insulating inorganic material represents a further challenge to improve the energy-efficiency and sustainability of building sector.

### Guest Editors

Dr. Ilaria Capasso

Prof. Dr. Giuseppe Brando

Dr. Gianluca Iezzi

### Deadline for manuscript submissions

closed (30 November 2021)



## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/si/50317](https://mdpi.com/si/50317)

*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)