



## Sustainable Development of Material and Engineering

Guest Editor:

**Dr. Sandra R.S. Monteiro**  
ISISE, Department of Civil  
Engineering, University of  
Coimbra, Coimbra, Portugal  
sandra@dec.uc.pt

Deadline for manuscript  
submissions:

**31 July 2023**

### Message from the Guest Editor

Dear Colleagues,

The construction industry is one of the most pollution-causing industries in the world. Data from 2018 point out that 11% of the CO<sub>2</sub> emissions are a consequence of the industrial processes resulting from the manufacture of construction materials and products such as steel and cement. Strategies to mitigate this ecological footprint are arising and aim at reducing CO<sub>2</sub> emissions and the energy demands that are associated with buildings and the construction industry. Low-carbon construction materials, either new or renewed, composites including waste, recycled materials or those with different purposes than usual, and eco-friendly or natural materials are just some of the numerous varieties of solutions towards an ecological and sustainable future among the construction sector.

This Special Issue aims to collect scientific research papers in the scope of construction and building materials with reduced carbon footprint, and innovative engineering approaches contributing to the sustainable development of the construction industry. Papers concerning experimental, numerical, or analytic studies as well as survey papers will be considered for publication.





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 \(Environmental Sciences\)](#) / [CiteScore - Q1 \(Geography, Planning and Development\)](#)

## Contact Us

---

*Sustainability*  
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)  
[@Sus\\_MDPI](https://twitter.com/Sus_MDPI)