



## Technological Advances for Lifecycle Optimization and Green Transition of the Built Environment

Guest Editors:

**Dr. Stefano Cascone**

Department of Architecture and Territory, Mediterranean University of Reggio Calabria, 89124 Reggio Calabria, Italy

**Dr. Eleonora Congiu**

Department of Civil and Environment Engineering and Architecture, University of Cagliari, 09124 Cagliari, Italy

**Dr. Chiara Marchionni**

Department of Civil, Building and Environmental Engineering, University of L'Aquila, 67100 L'Aquila, Italy

Deadline for manuscript submissions:

**30 September 2025**

### Message from the Guest Editors

Dear Colleagues,

The aim of this Special Issue is to gather cutting-edge research that addresses the challenges and opportunities in sustainable construction and lifecycle management. It aligns with the journal's scope by emphasizing the importance of sustainable practices, technological innovations, and the management of complex systems in the built environment.

We encourage submissions that cover, but are not limited to, the following themes:

- Innovative methods and technologies for sustainable construction;
- Digital integration for lifecycle management of buildings;
- Environmental and socioeconomic impacts of sustainable building practices;
- Systems for the preservation and management of the built environment;
- Energy Efficiency and renewable energy integration for buildings;
- Lifecycle assessment and optimization techniques;
- Green retrofitting and renovation of existing buildings;
- Policy, regulation, and incentives for green building.

We look forward to receiving your contributions.





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, Grosspeteranlage 5  
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](https://twitter.com/Sus_MDPI)