



Sustainable Building Envelopes Design for Holistic Indoor Environment and Improved Energy Efficiency

Guest Editors:

Prof. Dr. Victor Echarri-Iribarren

Department of Architectural
Constructions, University of
Alicante, San Vicente (Alicante),
Spain

**Prof. Dr. Vicente Sarrablo
Moreno**

Department of Architecture,
Universitat Internacional de
Catalunya (UIC-Barcelona),
Barcelona, Spain

Deadline for manuscript
submissions:

closed (31 December 2024)

Message from the Guest Editors

Dear Colleagues,

In recent years, there has been an exponential increase in the use of SATE systems, ventilated facades, triple glazing, or the incorporation of phase-change materials (PCM) to increase thermal inertia in areas with adverse climatology. Another important trend has been the industrialization of façade systems, which focus on the modulation and the reduction of on-site execution times, as well as the reuse of construction elements. This Special Issue of *Sustainability* is looking for articles exploring new environmentally friendly façade and roof construction solutions. Possible topics include the following:

- Industrialized construction: faster, cheaper, reusable construction methods.
- How to reduce energy consumption in one or more stages of a building's life cycle.
- Passive design strategies, low-embodied energy systems, and energy related to transportation.
- Exterior interaction: air quality and indoor environmental quality.
- End-of-life: circular built environments; reduction, reuse, and recycling.





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](#), [RePEc](#), [CAPus](#) / [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

mdpi.com/journal/sustainability
sustainability@mdpi.com
X@Sus_MDPI