



Intelligent and Innovative Solutions for Sustainable and Healthy Built Environment

Guest Editors:

Dr. Zufen Wang

Department of Civil and
Architectural Engineering,
Tennessee State University,
Nashville, TN 37209, USA

Dr. Wei Zhang

Walmart Global Tech, San Bruno,
CA, USA

Dr. Wentao Wu

Department of Civil and Natural
Resources Engineering,
University of Canterbury,
Christchurch 8041, New Zealand

Deadline for manuscript
submissions:

closed (2 October 2024)

Message from the Guest Editors

The built environment plays an important role in human health, and is responsible for a significant portion of global energy consumption. A sustainable built environment can help reduce greenhouse gas emissions, and a healthy built environment also gains increasing demand for the improvements it offers in public health and well-being, especially since the onset of the COVID-19 pandemic.

The objective of this SI is to collect papers that address sustainable and healthy built environment design with intelligent and innovative solutions, such as passive building systems, smart monitoring and controls, data science and artificial intelligence, etc. Topics include but are not limited to the following:

- Passive building system design
- Advanced heating, ventilation, and air conditioning (HVAC) system design and control
- Building energy-efficient operation and management
- Energy modeling and evaluation in buildings
- Indoor air quality, Indoor thermal comfort
- Index systems for evaluation and decision making on sustainable/healthy built environment
- Occupant-centric building control
- Data science and its application in built environment
- Smart buildings





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