

Special Issue

Intelligent and Innovative Solutions for Sustainable and Healthy Built Environment

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

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)



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Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

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