



Renewable Energy Integration and Application in Buildings for Carbon Neutrality

Guest Editors:

Prof. Dr. Lin Lu

Department of Building
Environment and Energy
Engineering, The Hong Kong
Polytechnic University, Hong
Kong, China

Dr. Jianheng Chen

School of Energy and
Environment, City University of
Hong Kong, Hong Kong, China

Deadline for manuscript
submissions:

closed (31 January 2024)

Message from the Guest Editors

The Special Issue covers all aspects of science and technology concerned with renewable energy development, utilization, storage, and integration with building systems. Topics covered include but are not limited to:

- Renewable energy technologies (solar thermal, solar photovoltaic, wind, geothermal, etc.) and their integration with buildings
- Green building materials
- Energy demand and management, and smart buildings
- Climate responsive architectural design
- Energy efficient building envelope and system
- Low-energy architecture
- Hydrogen and fuel cell technology integrated with buildings
- Building energy systems, conservation, and generation
- Economics of green building and cost models/methods
- Emerging technologies for sustainable facilities and infrastructure
- Full-spectrum solar energy utilization in buildings
- Thermal and electrical energy storage systems
- Radiative sky cooling technologies integrated with buildings
- Energy sharing and trading among building sectors





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