Special Issue

Renewable Energy Integration and Application in Buildings for Carbon Neutrality

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

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)



Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/133215

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

mdpi.com/journal/ sustainability





Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



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

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, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)

