

Special Issue

Balancing Building Energy Performance/Efficiency and Sustainability with Indoor Environmental Quality

Message from the Guest Editors

Energy and the indoor environment are two important aspects of environmental and energy certification systems for sustainable buildings around the world, although different rating schemes may have different weightings on these aspects. The design strategies that sustainable buildings commonly adopt include reduced infiltration, increased use of building insulation and thermal mass, improved HVAC energy efficiency, the inclusion of passive and bioclimatic design strategies, adoption of renewable energy technologies, etc. This Special Issue of Sustainability aims to collect scientific contributions and evidence in the new approaches and technologies of building energy efficiency and sustainability that can enhance the indoor environmental quality of buildings. For example, hybrid PV/T systems and green roof systems that improve the thermal performance of buildings, indoor living wall systems that reduce HVAC energy use and improve the air quality, smart windows which reduce lighting energy use and improve visual comfort, etc. The energy and IEQ benefits can be evidenced in terms of laboratory experiments, field tests, or simulation studies.

Guest Editors

Dr. Fan Zhang

Dr. Yuanlong Cui

Dr. Haibo Feng

Deadline for manuscript submissions

closed (20 September 2023)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.8



mdpi.com/si/115814

Sustainability

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

[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.8



[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)



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. *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.

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

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, AGRIS, RePEc, CAPIus / SciFinder, and other databases.

Journal Rank:

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