

Special Issue

Research Advances in Building-Integrated Photovoltaics and Its Integration with Other Energy Systems

Message from the Guest Editors

This Special Issue will focus on two components: one is targeted study improving BIPV systems and proposing new BIPV systems, while another is an extended study on linking BIPV with many other relevant energy systems such as Integrated Energy Systems, Data Centers with PV supply, larger-scale energy storage with integration of BIPV, etc. Both of these aspects should be deepened and supported by in-depth numerical simulations; experimental tests, design, and optimizations; demonstrations; case studies; etc. There are no limits to research methods, but it is required that new advances in system efficiency and environmental benefit are presented. Based on the two major aspects discussed above, some specific themes include, but are not limited to,

- New BIPV envelopes, including window, wall or roof;
- New materials for BIPV;
- Model advances for complex BIPV;
- BIPV with PCM;
- Design and optimization BIPV methods;
- BIPV with integrated energy systems;
- BIPV for data centers;
- BIPV for large-scale energy-storage systems;
- Other BIPV-related investigations

Guest Editors

Dr. Yongqiang Luo

Dr. Zhongbing Liu

Dr. Zhiyong Tian

Deadline for manuscript submissions

closed (30 September 2023)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/145975

Sustainability
Editorial Office
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 7.7



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

Journal Rank:

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