

Special Issue

Sustainable Energy Solutions and RES Integration in Nearly Zero-Energy Buildings (nZEB)

Message from the Guest Editors

The transition towards a climate-neutral economy requires a fundamental transformation of the built environment. As buildings are major energy consumers and significant sources of carbon emissions, the implementation of Nearly Zero-Energy Building (nZEB) standards has become a priority for sustainable development policies worldwide. This Special Issue aims to explore the intersection of advanced renewable energy technologies and sustainable building design. We invite researchers to submit original papers and review articles that address the technical, economic, and policy challenges of integrating Renewable Energy Sources (RESs) into the built environment.

Potential topics include, but are not limited to:
Integration of photovoltaics (BIPV/BAPV) and heat pumps in nZEB;
Hybrid renewable energy systems for residential and commercial buildings;
Energy storage solutions and their role in stabilizing building energy demand;
Smart energy management systems and demand-side response in buildings;
Life cycle assessment (LCA) of energy systems in the built environment;
Policy frameworks and economic analysis of nZEB implementation.

Guest Editors

Dr. Krzysztof Szczotka
Dr. Piotr Michalak
Dr. Jakub Szymiczek

Deadline for manuscript submissions

31 October 2026



Sustainability

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.9



mdpi.com/si/264949

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 4.1
CiteScore 8.9



[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. 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)