Special Issue

Energy-Efficient Buildings: Renewable Energy Integration and Applications in Buildings

Message from the Guest Editors

The concept of zero energy buildings (ZEBs) is gaining global momentum, driven by the integration of renewable energy systems to achieve energy neutrality. Governments worldwide are setting targets and initiatives to support ZEBs, highlighting the need for high-efficiency designs, cost-effective installations, and advanced control methods for renewable energy systems in buildings. This Special Issue focuses on the latest advancements in building-integrated renewable energy systems, promoting multidisciplinary research and practical applications. It aims to enhance scientific understanding and foster innovation in renewable energy integration. We welcome submissions on topics including, but not limited to:

- Solar energy systems (PV, solar thermal)
- Geothermal energy systems
- Renewable hybrid systems
- Energy storage solutions
- Energy management and optimization
- Case studies on ZEBs
- Policy and economic analysis

Join us in exploring cutting-edge research and applied studies that contribute to the global advancement of ZEBs and sustainable energy in buildings.

Guest Editors

Dr. Bae Sangmu

Dr. Hyun-Jung Choi

Prof. Dr. Gyeong-Seok Choi

Deadline for manuscript submissions

5 November 2025

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/211019

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

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/journal/energies

About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)

MDPI