

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

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Deadline for manuscript submissions

closed (5 November 2025)



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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.

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