

Special Issue

Energy Efficiency and Energy Performance in Buildings

Message from the Guest Editor

In order to achieve carbon-neutral economies, it is crucial to improve the energy efficiency performance of the built environment, as well as integrated on-site power generation from renewable energy sources. This Special Issue aims to present and disseminate the most recent advances related to the design, retrofit, modelling, control, and energy assessment of building systems. Topics of interest for publication include, but are not limited to, the following:

- Optimal design and retrofit strategies of carbon-neutral buildings;
- Innovative materials suitable for energy-efficient buildings;
- Highly efficient systems for heating and cooling buildings;
- Smart and dynamic systems to enhance energy-efficient buildings;
- Modular construction and retrofit techniques of energy-efficient buildings;
- Building systems that can integrate on-site power generation from renewable energy sources;
- Advanced modeling and analysis approaches for building energy systems;
- Measurement and monitoring techniques for the energy assessment of buildings;
- Cost-benefit analysis techniques for designing and retrofitting building energy systems.

Guest Editor

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Deadline for manuscript submissions

closed (25 April 2025)



Energies

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Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/209080

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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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