

Special Issue

Advanced Research on Low Carbon Buildings Design and Energy Efficiency

Message from the Guest Editors

This Special Issue aims to cover the most recent advances in low-carbon research with a focus on buildings design and energy efficiency. This issue welcomes original research article and reviews. Research areas may include, but are not limited to, the following topics:

- Modeling and design method for net-zero carbon buildings;
- Renewable energy utilization for low-carbon buildings;
- Carbon emission calculation method for low-carbon buildings;
- Energy efficiency renovation methods for existing buildings;
- Roadmap for net-zero carbon buildings;
- Sustainable and green architecture design;
- Demand-based control and optimization;
- Modelling, control and optimization for building energy systems;
- Simulation model and sensor calibration methods;
- Artificial intelligence for building integrated renewable energy systems.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2024)



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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

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