

## 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.

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### Guest Editors

Dr. Jiaqiang Wang

Dr. Linfeng Zhang

Dr. Sungmin Yoon

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### Deadline for manuscript submissions

closed (31 December 2024)



Sustainability

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*Sustainability*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)

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# 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.

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## Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,  
Columbus, OH 43210, USA

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