

## Special Issue

# Sustainable Solutions for Energy-Efficient Buildings and Net-Zero Emissions

### Message from the Guest Editors

The building sector represents a critical element within the global energy landscape. As a major energy consumer and source of energy-related carbon emissions, the building sector holds immense potential to assist in energy transitions and to contribute to global climate-change-mitigation efforts.

This Special Issue is dedicated to showcasing cutting-edge research and innovative solutions in building sustainability. It aims to highlight advancements that can enhance buildings' energy efficiency and reduce carbon emissions, thereby contributing to global efforts in sustainable development. The scope of this Special Issue encompasses a wide array of topics, including, but not limited to, the following:

Intelligent Building Operational Control Solutions.  
Energy-Efficient and Sustainable Building-Design Solutions.

Sustainable Materials and Construction Methods.

Energy-Efficient HVAC and Lighting Systems.

Renewable Energy Sources for Buildings.

Energy Storage Solutions for Buildings.

Building Energy Modelling and Evaluations.

Solutions for Thermal Comfort and Indoor Air Quality (IAQ).

Building Integration with Smart Grids and Electric Vehicles (EVs).

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### Guest Editors

Dr. Shiyu Yang

Dr. Yunyang Ye

Dr. Jintai Wang

Dr. Yingdong He

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### Deadline for manuscript submissions

closed (30 November 2024)



## Sustainability

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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

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