Special Issue

Research on Green and Low-Carbon Buildings

Message from the Guest Editors

We would like to invite you to contribute to a Special Issue of the open-access journal Buildings that will be dedicated to “Research on Green and Low-carbon Buildings”. The goal of this Special Collection is to research the development of green and low-carbon buildings. This Special Collection welcomes original experimental research, numerical simulations, and reviews on all facets of green and low-carbon buildings. Potential topics include but are not limited to:

- Zero/low-carbon buildings and Zero/low-carbon communities;
- Green buildings;
- Building energy and economic analysis;
- Building embodied energy and life cycle analysis;
- Energy demands, consumption and balances in the built environment;
- The willingness and capability of the public to pay for green housing;
- Links between building environmental quality, energy conservation and health.
- Building energy consumption policy, building energy saving behavior.

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2024)

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About the Journal

Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

Editor-in-Chief

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Author Benefits

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indexed within SCIE (Web of Science), Scopus, Ei Compendex, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Construction and Building Technology) / CiteScore - Q1 (Architecture)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.9 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).