

Special Issue

Recently Advances in the Thermal Performance of Buildings

Message from the Guest Editor

The thermal performance of buildings involves a wide field relating to building envelopes, thermal insulation, lighting, heating, ventilating, air conditioning, energy use, maintenance, energy saving, etc. Research works in this field contribute to improvements in the thermal performance of buildings, and they bring about new concepts in the design, construction, management, and control of facilities in buildings. Moreover, the research also provides guidance for updating and developing building techniques. The main aim of this [Special Issue](#) is to explore the recent advances and developments in the thermal performance of buildings. Topics include, but are not limited to, the following:

- Building envelop;
- Lighting;
- Heating, ventilating, and air conditioning;
- Energy use and energy saving;
- Maintenance;
- Building manage and control;
- Indoor air quality.

Best regards.

Guest Editor

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Deadline for manuscript submissions

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.1 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).