Special Issue

Built Environment and Thermal Comfort

Message from the Guest Editors

This Special Issue of *Buildings* aims to present knowledge that addresses the transition to sustainable indoor/outdoor thermal environments and how it may affect energy efficiency and people's thermal experience. Both original research papers and review papers are welcomed and areas of interest include, but are not limited to, the following topics:

- New thermal comfort models;
- Adaptive thermal comfort models;
- PMV-based thermal comfort models;
- Field thermal comfort studies;
- Thermal comfort and physical and mental health;
- Thermal comfort and energy poverty;
- Thermal comfort and energy efficiency;
- Thermal comfort and active/passive design strategies;
- Thermal comfort and human behavior;
- Thermal comfort and urban heat islands;
- The role of vegetation and urban greenery in improving outdoor thermal comfort.

For further reading, please follow the link to the Special Issue Website at:
https://www.mdpi.com/journal/buildings/special_issues/AJ2XBPLLU6

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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.

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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).