Special Issue

Buildings of Tomorrow: Goals and Challenges for Design and Operation of High-Performance Buildings

Message from the Guest Editors

The purpose of this Special Issue is to present and evaluate how a coupled treatment of varied building design issues can be utilized in order to achieve the goals of higher overall performance of buildings and what are the limitations of such approach. Here are some topics:

- Coupled thermal and visual performance of buildings;
- Climate adaptive building design and adaptive building envelopes;
- Indoor environment quality and concurrent energy efficiency;
- Strategies and methods for the design and development of high-performance buildings;
- Sustainability and resilience of high-performance buildings;
- Application of artificial intelligence, data management and data collection technologies for the design and operation of high-performance buildings;
- User-centered building design as a tool for achieving higher building performance;
- Case studies of high-performance buildings and their energy efficiency, daylighting and overall indoor environment quality as well as environmental impacts.



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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.

Editor-in-Chief

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