



Sustainable Development of Thermal Comfort and Energy-Savings and Storage of Green Buildings

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Deadline for manuscript submissions:

closed (26 July 2024)

Message from the Guest Editors

Dear Colleagues,

The increase in the global temperatures and carbon emissions, accompanied by recent geo-political developments, has triggered drastic measures by most governments to reduce the dependency of energy in buildings on fossil fuels.

This Special Issue is focused on new methodologies, low-carbon strategies and technologies, energy storage to reduce the fossil fuel-reliance of heating and cooling in buildings. We invite researchers to contribute original research articles as well as review articles that will stimulate the continuing efforts to understand the recent advances and innovation in these research fields. Manuscripts combining experimental implementation with theoretical calculations and technoeconomic assessment are also welcome.

Themes and topics for this Special Issue include the following:

- Energy storage to low-carbon heating and cooling in buildings;
- Passive energy transition to reduce demand and fossil fuel dependency in buildings;
- Occupants' comfort, health and wellbeing in a changing climate;
- Energy flexibility and resilience in the built environment;
- Advanced materials compatible with the main effort.





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Message from the Editor-in-Chief

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