



Sustainable Future-Proofing of Heating and Cooling in Buildings: Heat Pumps, Passive Measures, and Low-Carbon Interventions

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Deadline for manuscript submissions:
closed (29 February 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 heating and cooling in buildings on fossil fuels.

This Special Issue is focused on new methodologies, low-carbon strategies and technologies, passive cooling and heating measures, and heat pumps 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.

Topics for the Special Issue include, but are not limited to, the following:

- Sustainable transition to low-carbon heating and cooling in buildings;
- Passive measures 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;





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Message from the Editor-in-Chief

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