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Thermal Energy Storage and Conversion for Building Applications: Materials and Systems Advancements

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Message from the Guest Editors

In this Special Issue, dedicated to the advancement and perspectives of materials and systems for thermal energy storage and conversion technologies for building applications, original research papers, short communications, and reviews are welcome. Experimental, theoretical, and computational research approaches, as well as a combination of these approaches, are welcome, and contributions can be both in fundamental and applied science, including industrial case studies. Topics of interest for this Special Issue include, but are not limited to, the following:

- Thermal energy storage material and techniques (phase change materials, thermochemical materials, metal hydrate thermal energy storage materials, sensible heat storage, latent heat storage, thermochemical heat storage, or a combination of these), and thermal energy storage material development and characterization;
- Thermal energy grid storage for building applications, either independent or integrated into the renewable system, for energy saving or energy efficiency;
- Thermal energy conversion systems.



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Special Issue



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Message from the Editor-in-Chief

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