



Thermal Energy Storage Systems

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Message from the Guest Editors

This Special Issue aims at gathering the best papers on development and applications of thermal energy storage.

Thermal energy storage is gaining considerable market and academic interest. It offers the possibility to bridge the mismatch between energy supply and demand, to smooth input temperature for certain applications, and increase overall system efficiency. Unsurprisingly, it has gained significant attention from researchers worldwide. To expedite the development of thermal energy storage, studies on the heat transfer mechanism, thermal properties of the storage medium, and various performance enhancement strategies are needed.

We welcome both experimental and computational studies. Topics of interest for this Special Issue include but are not limited to:

- Heat transfer enhancement in thermal energy storage;
- Novel storage medium (material) for thermal energy storage;
- Thermal energy storage in electronic, building, and other applications;
- Thermal energy storage management systems.





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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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