Special Issue

Thermal Energy Storage for Efficient Utilization: Materials, Process and Systems

Message from the Guest Editors

Recently, Thermal energy storage (TES) technologies have developed to a point where they can significantly impact the commercial, industrial and utility sectors, where energy demands vary daily, weekly and seasonally. Currently, research efforts are focused on developing and deploying new techniques to improve TES materials, control strategies, storage unit design and optimization, system integration and advanced numerical models that could further unlock the full potential of TES and support its subtle integration into current and future societies. In this Special Issue, we invite submissions exploring cutting-edge research and recent advances in TES, focusing on emerging studies and their impact on modern technologies and applications. Both theoretical and experimental studies are welcome, as well as comprehensive reviews and survey papers. The following keywords offer an indication of the topics invited and are by no means limiting.

Guest Editors

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Deadline for manuscript submissions

closed (20 February 2024)

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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.

Editor-in-Chief

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