Special Issue

Advances in Thermal Energy Storage in Buildings Incorporating Phase-Change Materials

Message from the Guest Editors

An attempt to make buildings more energy and resource efficient leads to a broad number of possible combinations of energy-saving strategies that can be improved using phase-change materials (PCMs). This Special Issue intends to present a collection of studies describing the latest developments in the field of technological advances in applications of PCMs in building systems and construction solutions. It aims to provide an up-to-date overview of current research work and future trends in this field. Topics of interest include:

- development of novel phase-change materials;
- modeling and simulation of phase-change materials and systems;
- case studies of energy-efficient buildings incorporating PCMs (passive and active solutions);
- phase-change materials for novel applications;
- novel applications of PCMs in building solutions and components;
- industrial applications using PCMs; and
- reviews of PCM applications in buildings.

Guest Editors

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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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