applied sciences

IMPACT FACTOR 2.7

CITESCORE 4.5

an Open Access Journal by MDPI

Phase Change Materials: Design and Applications

Guest Editor:

Dr. Ioannis Kartsonakis
Physical Chemistry Laboratory, School of Chemistry, Aristotle University of Thessaloniki, Thessaloniki, Greece

Deadline for manuscript submissions:
closed (30 May 2021)

Message from the Guest Editor

Dear Colleagues,

Phase change materials (PCMs) are one of the key components for the development of advanced sustainable solutions in renewable energy and engineering systems. PCMs are enable to either store or release large amounts of energy, while their temperature is slightly changed or kept constant. PCMs have the ability to accumulate and store lots of energy. The activation of this high storage potential of PCMs is accomplished when their phase is changed.

This Special Issue aims to attract all researchers working in this research field, and will collect new findings and recent advances on the development, synthesis, structure–activity relationships, and future applications of PCMs. Research manuscripts and a limited number of review manuscripts are encouraged in the following areas:

- Energy/thermal storage
- Sustainable energy and engineering systems
- Batteries
- Structure–properties relationship
- Solar energy utilization
- Building/construction
- Environmental effects
- Recycling

Dr. Ioannis Kartsonakis
Guest Editor

applied sciences

IMPACT FACTOR 2.7

CITESCORE 4.5

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
𝕏@Applsci