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Neutral and Ionic Organic-Base Phase Change Materials: Design, Synthesis, Characterization, New Developments, Applications and Perspectives

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Message from the Guest Editors

Dear Colleagues,

Phase Change Materials (PCM) are one of the most important players for the consolidation of thermal energy storage (TES) in the current energy transition. However, the boost to implementate TES systems in the market remains a big challenge. In this sense, the development of versatile TES systems with high TES density, easy preparation and handleing and low cost that will contribute to the desired implementation are highly demanded.

This Special Issue is consequently devoted to new developments, desing, synthesis and characterization of OPCMs (neutral and ionic) with energetic solid-liquid and/or solid-solid transitions but it covers potential applications and future perspectives of these interesting materials as well. Therefore, we kindly invite you to submit your manuscript to this Special Issue in the form of a full paper, communication or critical review.

Deadline for manuscript submissions:

closed (20 June 2023)



Specialsue









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Message from the Editor-in-Chief

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