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

Guest Editors:

Dr. Eduardo J. Garcia-Suarez

Center for Cooperative Research on Alternative Energies (CIC energiGUNE), Basque Research and Technology Alliance (BRTA), Vitoria-Gasteiz, Spain

Dr. Angel Serrano

Thermal Energy Solutions Area, CIC energiGUNE, Parque Tecnológico de Miñano, C/Albert Einstein 48, 01510 Vitoria-Gasteiz, Álava, Spain

Prof. Dr. Elena Palomo del Barrio

Thermal Energy Solutions Area, CIC energiGUNE, Parque Tecnológico de Miñano, C/Albert Einstein 48, 01510 Vitoria-Gasteiz, Álava, Spain

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 handling 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)



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Special Issue



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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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