# **Special Issue**

### Composite Phase Change Materials (cPCMs) for Thermal Management Applications

### Message from the Guest Editors

Using phase change material (PCM) as a cooling media has become a very promising cooling technology in the current era with zero-noise and zero-power consumption. While PCMs have a great potential to absorb/release excessive heat during the heating/cooling process, they however possess low thermal conductivity, especially organic PCMs. There is ongoing research on the development of novel energy storage materials in the form of composite PCMs (cPCMs) to enhance their thermophysical properties, reducing super-cooling, improving cyclic reliability, volumetric and gravimetric storage density, cPCMsintegrated thermal management applications, and scale-up. These days, the addition of highly thermal conductive metal-matrix and chemically treated surfaces of nanomaterials have taken over the key attention of researchers and scientists. This Special Issue aims to invite the recent studies based on experimental, numerical, and theoretical analysis on the development of cPCMs and their application in the field of thermal management and efficiency enhancement in various applications. This Special Issue seeks both highquality original research and review articles.

### **Guest Editors**

Dr. Adeel Arshad Dr. Muhammad Anser Bashir Dr. Muhammad Imran Prof. Dr. Jo Darkwa

### Deadline for manuscript submissions

closed (15 November 2022)



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*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

### Editor-in-Chief

Prof. Dr. Enrico Sciubba Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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