## **Special Issue**

## New Trends of Heat Transfer and Fluid Flow in Phase Change Materials

### Message from the Guest Editor

This Special Issue focuses on new strategies and the development of PCMs based on analytical, experimental and numerical investigations to explore the fundamental understanding of heat transfer, fluid flow and the mass transfer phenomenon for a wide range of applications including thermal energy storage, utilization and conversion, the thermal management of electronics, batteries, photovoltaics and fuel cells, building heating/cooling and smart composite materials.

This Special Issue aims to invite recent investigations related to analytical, experimental and numerical solutions for PCMs to address the challenges of thermo-fluids, material science and energy systems. This Special Issue seeks both high-quality original research and review articles. **Keywords** 

- phase-change materials
- natural and force convection heat transfer
- fins, porous and metal-matrix media
- thermophysical properties
- electronics and battery thermal management
- sustainable energy technologies
- computational fluid dynamics

### **Guest Editor**

Dr. Adeel Arshad

Environment and Sustainability Institute (ESI), Faculty of Environment, Science and Economy, University of Exeter, Penryn Campus, Cornwall, TR10 9FE, UK

### Deadline for manuscript submissions

closed (31 July 2024)



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mdpi.com/si/172536

Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

mdpi.com/journal/energies





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### Message from the Editor-in-Chief

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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