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## New Advances in Heat Transfer, Energy Conversion and Storage

Guest Editors:

**Dr. Bernardo Buonomo**

Dipartimento di  
Ingegneria.Università degli Studi  
della Campania "Luigi Vanvitelli",  
Via Roma 29, 81031 Aversa (CE),  
Italy

**Dr. Renato Elpidio Plomitallo**

Dipartimento di  
Ingegneria.Università degli Studi  
della Campania "Luigi Vanvitelli",  
Via Roma 29, 81031 Aversa (CE),  
Italy

Deadline for manuscript  
submissions:

**30 September 2024**

### Message from the Guest Editors

This Special Issue aims to compile cutting-edge research that pushes the boundaries of heat transfer, energy conversion, and storage.

Contributions to this Special Issue may address various aspects of entropy generation; improvements in the efficiency of energy systems; techniques for the enhancement of heat transfer; LHS optimization, including computational fluid dynamics (CFD) simulations; alternative storage device designs; and mathematical algorithms for systematic optimization.

We also welcome studies exploring different heat exchange configurations, such as shell-and-tube heat exchangers, finned structures, packed-bed setups, and composite systems using PCM. Emphasis is placed on optimization criteria related to energy performance, thermodynamic considerations, cost-effectiveness, and other relevant factors.

We aim to provide comprehensive guidance for future research directions in thermal engineering, energy usage, and heat management. By fostering interdisciplinary collaboration and showcasing innovative methodologies, we aim to drive advancements in thermal engineering and sustainable energy utilization.



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**Special** Issue



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## Editor-in-Chief

### Prof. Dr. Enrico Sciubba

Department of Mechanical and  
Aerospace Engineering,  
University of Roma Sapienza, Via  
Eudossiana 18, 00184 Roma, Italy

## 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.

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*Energies* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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