

## Special Issue

# Heat Transfer Principles and Applications

### Message from the Guest Editors

Heat transfer phenomena take place in many natural and industrial applications and at different scales. Our understanding of the underlying physics behind heat transfer phenomena in different applications is very important to enrich our overall scientific knowledge. This Special Issue focus on heat transfer theoretical and applied research including, but not limited to, analytical developments, advanced computational modeling and simulations, and experimental measurements techniques. This Special Issue focuses on heat transfer in engineering applications including, but not limited to: solar collectors, advanced multiphase, porous and phase-change materials for enhanced heat transfer, advanced cooling of electronic equipment, advanced cooling of nuclear reactors, multidisciplinary design and optimization of heat transfer equipment and thermal systems, urban and district heating, cooling of subways and transportation systems, advanced cooling of electric batteries and electric motors, coupled heat and mass transfer in reactive flows, design and optimization of multifunctional heat exchangers, reactors and mixers, energy conservation in buildings, thermal energy storage.

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### Guest Editors

Prof. Dr. Talib Dbouk

CORIA, UMR 6614, CNRS, Normandy University, UNIROUEN, 76000 Rouen, France

Dr. Jaco Dirker

Department of Mechanical and Aeronautical Engineering, University of Pretoria, Pretoria, Private Bag X20, Hatfield 0028, South Africa

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### Deadline for manuscript submissions

closed (14 June 2025)



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*Energies*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[energies@mdpi.com](mailto:energies@mdpi.com)

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## About the Journal

### 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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### Editor-in-Chief

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

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