

## Special Issue

# Advances in Organic Rankine Cycle System and Thermal Storage System

### Message from the Guest Editors

Organic Rankine cycle is considered to be the most promising thermodynamic cycle for low-temperature rejected heat and its conversion into power, a process of much of research interest. Moreover, the thermal storage systems can accelerate the large-scale employment of heat-to-power conversion engines, leading to larger operation times, the development of polygeneration systems and finally increased energy savings and reduced CO<sub>2</sub> footprint. The main scope of this Special Issue is to present the current state-of-the-art in organic Rankine cycles and thermal energy systems. This includes CO<sub>2</sub> power cycles and other innovative power generation cycles, which may lead to next-generation power production systems. This Special Issue will contribute a comprehensive forum for research ideas such as the following:

- Organic Rankine cycles modelling concepts and control
- Power conversion cycles
- Supercritical CO<sub>2</sub> power cycle
- Trilateral flash cycle
- Thermal energy storage systems
- Innovative methods/materials for energy storage
- Components design and modelling
- Combined heat and power generation applications

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### Guest Editors

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### Deadline for manuscript submissions

closed (27 February 2024)



## Energies

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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

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