

## Special Issue

# Advances in Organic Rankine Cycle and Heat Pump Systems for Thermal Efficiency Improvement

### Message from the Guest Editors

Research scholars are sincerely invited to submit original research, reviews, and perspective articles on the topics of interest for publication including, but not limited to:

- Configuration design of high efficiency ORC and heat pump
- Preparation, optimization, selection of working fluids
- Thermodynamic and economic analyses of the systems
- Design of novel heat exchanger, compressor and expander
- Heat transfer control and enhancement of heat exchangers
- Single phase and multiphase flow controls of compressor and expander
- AI applications on the performance optimizations of the system and devices
- Smart fault detection and diagnosis of ORC and heat pump systems
- Advanced simulation and testing approaches

Dr. Panpan Song

### Guest Editors

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### Deadline for manuscript submissions

closed (31 May 2025)



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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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