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

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Deadline for manuscript submissions:

31 December 2024

Message from the Guest Editors

Dear Colleagues,

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 Editor



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Message from the Editor-in-Chief

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