

Special Issue

Recent Advances in Organic Rankine Cycle (ORC)

Message from the Guest Editors

Organic Rankine cycle (ORC) systems are simple, inexpensive, and easy to use, and have been widely adopted for low-temperature waste heat recovery and renewable energy utilization. However, there are still several challenges for ORC and related systems, such as increasing energy efficiency, improving operation reliability, building effective components, reducing the costs of components and systems, reducing environmental impact, and so on. The purpose of this Special Issue is to attract state-of-the-art research and review articles on ORC systems and components, in a wide range of topics, including the following:

- ORC and polygeneration systems
- CO₂ power cycles
- Environmentally friendly organic fluids for power generation
- Experimental studies of ORC and related thermodynamic systems
- Turbine, heat exchanger, and pump design of ORC system
- New integrations of ORC with other energy systems
- Industrial applications of ORC
- All topics related to ORC

Guest Editors

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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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