Special Issue

Advances in Heat Exchangers for Sustainable Technologies Applications

Message from the Guest Editors

This Special Issue aims to comprehensively overview the latest heat exchangers for sustainable technology applications, including the following topics:

- Heat exchanger applications in energy recovery, heat recovery, solar thermal systems, geothermal systems, renewable energy systems, energy-efficient buildings, and low-carbon transportation applications.
- Thermal management in sustainable technologies.
- Advances in heat pipes applications.
- Heat exchanger design with phase change materials and various tube inserts.
- Micro/nano-scale, compact, and integrated heat exchangers.
- Nano/micro heat sink designs for the thermal management of high-heat-flux surfaces.
- Advanced heat carrier fluids, including nanomaterials and phase change materials.
- Advanced numerical simulation, experimental methods, and artificial intelligence (AI) to optimize and evaluate heat exchanger performance.
- Life-cycle assessment of heat exchangers.
- Techno-economic analysis of heat exchanger systems.
- Case studies and real applications of heat exchangers in sustainable technologies.
- Energetic and energetic analyses of heat exchangers.

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Deadline for manuscript submissions

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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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