

Special Issue

Advances in Heat Pumps and Refrigeration Systems with Natural Refrigerants

Message from the Guest Editors

We find ourselves at the heart of a critical environmental challenge, and it is imperative that we explore and embrace sustainable technologies capable of mitigating climate change and reducing our carbon footprint. Within the domain of heat pumps and refrigeration systems, energy efficiency stands as a pivotal aspect of minimizing energy consumption. Furthermore, heat pumps can play a vital role in the decarbonization of the heating demand in numerous industrial processes. This transformation must be grounded in the utilization of natural refrigerants, which emerge as the only long-term and sustainable alternative. In this context, we are delighted to announce a forthcoming Special Issue dedicated to "Advances in Heat Pumps and Refrigeration Systems with Natural Refrigerants".

Topics of interest for publication include, but are not limited to, the following:

- Innovative Heat Pump Designs;
- Refrigeration System Optimization;
- Decarbonization of Industrial Processes;
- Innovative Components for Heat Pumps and Refrigeration Systems;
- Novel Control Algorithms for Heat Pumps and Refrigeration Systems;
- Techno-economic Analyses;

Guest Editors

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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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