

## Special Issue

# Process Design and Performance Analysis of Heat Pumps

### Message from the Guest Editors

The invite contributions from academics, researchers, and professional engineers working on various aspects of heat pumps, whether in cooling or heating systems. Contributions are invited in the form of original research articles and critical review articles encompassing a wide range of topics, including, but not limited to, the following:

- Design heat pumps using environmentally friendly refrigerants;
- Design and optimization of heat pump components;
- Innovations in heat pump technologies;
- Theoretical or experimental performance assessments of heat pumps;
- Integration of renewable energy sources with heat pumps;
- Coupling of thermal energy storage systems with heat pumps.

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### Guest Editors

Dr. Tiago de Freitas Paulino

Dr. Luiz Machado

Dr. Willian M. Duarte

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### Deadline for manuscript submissions

30 September 2025



## Processes

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## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

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### Editor-in-Chief

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