

Special Issue

Advances in Refrigeration for Sustainability

Message from the Guest Editors

Contributions from academia, industry, and policymakers are welcome to foster a multidisciplinary discussion on sustainable refrigeration solutions. This *Special Issue* aims to provide a platform for sharing policies, methodologies, and cutting-edge research that may drive and support the transition towards environmentally friendly and energy-efficient refrigeration solutions. Therefore, original research articles, case studies, and comprehensive reviews that address key challenges and opportunities in sustainable refrigeration are expected. Research areas may include (but are not limited to) the following:

- Refrigeration and global trade;
- Design, maintenance and refrigeration system optimization;
- Integration of renewable energy sources and alternative refrigerants;
- Waste-heat recovery and thermal energy storage solutions;
- Smart refrigeration systems and AI-based optimization;
- Environmental impact assessment and sustainability metrics for refrigeration;
- Circular economy for refrigeration systems.

We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

closed (28 February 2026)



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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