

Special Issue

Novel Advances in Refrigeration Systems and Packaging Solutions: Impact in Climate Change and Food Products (2nd Edition)

Message from the Guest Editor

Food refrigeration systems and packaging solutions are a part of life. The former are large consumers of electrical energy for the conservation of perishable food productions. Additionally, the climate impact of refrigerants used in these systems are a major concern of governments and society. Consideration of the interconnection between this is required in order to restrain the impact on climate. The Special Issue focuses on accomplishments and approaches used to optimize operation, performance, efficiency, feasibility of refrigeration systems by experimental, numerical, analytical techniques, reviews for optimization and development to extend usage of these systems with low climate impact. Research on materials, technologies, novel approaches to services, procedures to extend the shelf life of food products and improve their life cycle is determinant for reducing influences between food packaging and climate. We invite submissions including but not limited to innovative technical developments, experiments, numerical modelling, all type articles on emerging technology related with further improvements to food refrigeration systems and sustainable packaging solutions.

Guest Editor

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Deadline for manuscript submissions

closed (31 January 2025)



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About the Journal

Message from the Editor-in-Chief

Climate (ISSN 2225-1154) was established in 2013 to provide an open-access outlet for innovative research, review articles, new direction papers, and short communications relevant to all disciplines related to climate at all scales. The journal encourages papers ranging from climate change detection and attribution and Earth system modeling to ecosystem, hydrologic, and socioeconomic impacts and climate mitigation and adaptation measures. The influence of *Climate* is strong and growing (IF 3.2 in 2024, CiteScore 5.7 in 2024).

Editor-in-Chief

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