

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

Dr. Pedro Dinis Gaspar

C-MAST-Center for Mechanical and Aerospace Science and Technologies, University of Beira Interior, 6201-001 Covilhã, Portugal

Deadline for manuscript submissions

31 January 2025



Climate

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 5.5



mdpi.com/si/164114

Climate

MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
climate@mdpi.com

[mdpi.com/journal/
climate](https://mdpi.com/journal/climate)





Climate

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 5.5



[mdpi.com/journal/
climate](https://mdpi.com/journal/climate)



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Dr. Timothy G. F. Kittel
Institute of Arctic and Alpine Research, University of Colorado Boulder,
Boulder, CO 80309-0450, USA

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), GeoRef, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Meteorology and Atmospheric Sciences) /
CiteScore - Q2 (Atmospheric Science)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.9 days after submission; acceptance to publication is undertaken in 3.8 days (median values for papers published in this journal in the first half of 2024).