

Special Issue

Advances and Challenges in Modern Meat Technology: Quality, Safety and Sustainability

Message from the Guest Editor

The global meat industry is undergoing significant transformations driven by evolving consumer demands, technological innovations, and sustainability concerns. This Special Issue aims to provide a comprehensive overview of the latest research, developments, and challenges in modern meat technology. We welcome original research articles and reviews that address topics such as novel processing techniques, meat quality optimization, shelf-life extension, safety assurance, alternative protein integration, waste valorization, and the environmental impact of meat production.

Particular emphasis will be placed on the following:
Innovative technologies in meat processing;
Advances in packaging and preservation methods;
Strategies for improving nutritional and sensory properties of meat products;
Application of digital tools and AI in meat production and quality control;
Sustainable practices and life cycle assessments in the meat industry;
Meat alternatives and hybrid meat products.

This Special Issue seeks to serve as a platform for interdisciplinary insights that support a more efficient, safe, and sustainable meat sector in line with current global challenges.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Foods (ISSN 2304-8158) is an open access and peer reviewed scientific journal that publishes original articles, critical reviews, case reports, and short communications on food science. Articles are released monthly online, with unlimited free access. Currently, *Foods* has been indexed by the Science Citation Index Expanded (SCIE - Web of Science), PubMed, and Scopus. Our aim is to encourage scientists, researchers, and other food professionals to publish their experimental and theoretical results as much detail as possible. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global food science community.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.9 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).