Special Issue

Advances in Bioactive Peptides: Innovations in Food Processing, Functional Foods, and Health

Message from the Guest Editor

This Special Issue aims to highlight recent advances in the extraction, characterization, and application of bioactive peptides. We will particularly focus on exploring the structure–activity relationships, the molecular mechanisms of action, and the functional bioactivities of peptides, as well as their integration into food processing and product development.

We welcome original research articles, reviews whose scope includes, but is not limited to, the following topics:

Innovative techniques for the extraction, purification, and characterization of bioactive peptides; Mechanisms of action and structure–activity relationships of bioactive peptides; Bioactive peptide applications in functional foods; nutraceuticals, and therapeutic formulations; Molecular simulation and docking studies to understand peptide–bioactivity interactions; Advances in food processing technologies to optimize peptide activity and stability; The bioactivities of peptides in relation to chronic and non-chronic diseases, including hypertension, diabetes, obesity, cancer, and cardiovascular disorders; The sustainability of bioactive peptide production and utilization

Guest Editor

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Deadline for manuscript submissions

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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.

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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).