

Special Issue

Biocatalytic Strategies for Sustainable Extraction and Production of Functional Food Ingredients

Message from the Guest Editors

This Special Issue, “Biocatalytic Strategies for Sustainable Extraction and Production of Functional Food Ingredients”, aims to highlight the exploration and design of novel enzymes for innovative enzymatic processes used in the production of functional components, such as oligosaccharides, peptides, polyphenols, rare sugars, and other biologically active molecules. Particular emphasis is placed on enzymatic methods that align with the principles of circular bioeconomy, green processing, and health-oriented innovation. We invite original research articles and reviews addressing the following topics:

- The characterization and application of immobilized, engineered, or novel microbial food-grade enzymes;
- Enzyme-assisted extraction, hydrolysis, and structural modification of bioactive food compounds;
- Optimization and scale-up of enzymatic processes for the production of functional ingredients;
- Valorization of agri-food residues through enzyme-driven approaches;
- In vitro and in vivo evaluation of the bioactivity, prebiotic potential, and health benefits of enzymatically obtained compounds.

Guest Editors

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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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