

Special Issue

Bioactive Compounds in Foods: New and Novel Sources, Characterization, Strategies and Applications (Second Edition)

Message from the Guest Editors

Bioactive compounds in foods, including polyphenols, peptides, polysaccharides, carotenoids, and phytochemicals, play pivotal roles in promoting human health (e.g., antioxidant, anti-inflammatory, and metabolic regulatory effects) and have become a core focus of food science, nutrition, and functional food innovation. In recent years, growing consumer demand for natural, sustainable, and health-oriented food products has driven urgent needs to (1) explore underutilized or emerging sources of bioactive compounds (e.g., food by-products, understudied plant/animal species, and microbial metabolites); (2) develop advanced analytical and characterization tools to unravel their chemical structures, bioavailability, and mechanism of action; (3) optimize extraction, purification, and stabilization strategies to preserve bioactivity during food processing and storage; and (4) translate these compounds into practical applications (e.g., functional foods, nutraceuticals, and food preservatives). This Special Issue aims to compile cutting-edge research on the identification, characterization, and application of bioactive compounds from emerging and novel food sources.

Guest Editors

Prof. Dr. Liang Zhang

Engineering Research Center for Cereal Fermentation and Food Biomanufacturing, School of Biotechnology, Jiangnan University, Wuxi, China

Dr. Zitao Guo

School of Food and Biological Engineering, Jiangsu University, Zhenjiang, China

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

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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

Prof. Dr. Arun K. Bhunia

1. Department of Food Science, Purdue University, West Lafayette, IN 47907, USA

2. Department of Comparative Pathobiology, Purdue University, West Lafayette, IN 47907, USA

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