



foods



an Open Access Journal by MDPI

Nutritional Research on Food-Derived Bioactive Peptides and Their Preparation

Guest Editors:

Prof. Dr. Chang-Hua Xu

College of Food Science and Technology, Shanghai Ocean University, Shanghai 201306, China

Dr. Wenli Wang

Department of Food Science & Technology, School of Agriculture & Biology, Shanghai Jiao Tong University, Shanghai 200240, China

Dr. Zhongyang Ren

College of Ocean Food and Biological Engineering, Jimei University, Xiamen 361021, China

Deadline for manuscript submissions:

27 December 2024

Message from the Guest Editors

Bioactive peptides (BPs) derived from proteins exhibit various functions for human health. Recently, food-derived BPs have been focused on due to the wide range of health benefits and multiple kinds of bioactivity they offer. Moreover, BPs can reasonably and feasibly be used as functional foods in food products to promote human health since these can have the advantages of high levels of safety, comfortable digestion and absorption, and being a rich source of BPs. Using bioinformatics and various knowledge databases could improve the efficiency with which peptides are identified. Moreover, the action mechanisms of BPs can be better explained at the molecular level through structure–activity relationships and molecular docking technologies. Nowadays, the relevant data are mainly from *in vitro* or *in vivo* experiments; however, these approaches still has some limitations and many obstacles continue to hamper the commercial development of BPs. Therefore, it is necessary to explore new methods to reveal the nutritional function and action mechanisms of BPs in terms of human health, and thus to reduce costs and improve preparation efficiency.



mdpi.com/si/208920

Special Issue



foods



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Arun K. Bhunia

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

2. Department of Comparative
Pathobiology (Courtesy), Purdue
University, West Lafayette, IN,
USA

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [FSTA](#), [AGRIS](#), [PubAg](#), and [other databases](#).

Journal Rank: JCR - Q1 (Food Science and Technology) / CiteScore - Q1 (Health Professions (miscellaneous))

Contact Us

Foods Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/foods
foods@mdpi.com
[X@Foods_MDPI](#)