

Special Issue

Innovations in Novel Protein Resources and Sustainable Utilization of Traditional Proteins

Message from the Guest Editors

In light of global population growth and the increasing pressures on resources and the environment, the development of alternative protein sources has become critically important. The sustainability of traditional protein sources is being challenged, making it difficult to meet the growing demand for food and dietary diversification. Exploring novel proteins, such as plant-based and microbial proteins, as well as those from insets, can alleviate resource pressures while fostering innovation in the food industry, ultimately addressing health and environmental sustainability needs. This approach also enhances the safety and resilience of the food supply system, mitigating future food security risks.

This Special Issue primarily focuses on specific research areas:

The exploration and development of new protein resources and the comprehensive utilization of traditional proteins

The cell culture and biosynthesis of new proteins

The optimization of animal protein resources

The deep processing and modification of plant proteins

The sustainability and environmental impact of protein resources

Research on the nutritional and health aspects of protein resources.

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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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