

Special Issue

Recent Advances in Bioactive Compounds in Human Health

Message from the Guest Editor

The growing interest in bioactive compounds, particularly those derived from food and by-products, is transforming our understanding of how diet impacts human health. Bioactive compounds such as antioxidants, polyphenols, and modified carbohydrates play critical roles in preventing chronic diseases, enhancing immune function, and promoting overall health. Innovative technologies, such as encapsulation and food fortification, are rapidly evolving to maximize the stability and efficacy of these compounds in functional foods. This Special Issue invites contributions exploring the molecular aspects of bioactive compounds, focusing on their isolation, characterization, and potential health benefits. We particularly encourage submissions on the utilization of food by-products, novel food processing techniques, and advancements in food chemistry and technology. Submissions may include original research, reviews, or perspectives that advance our molecular understanding of bioactive compounds and their applications in food and nutrition science. This Special Issue is supervised by and assisted by Dr. Marek Kruczek (University of Agriculture in Krakow).

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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