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Bioactive Research of Phytochemicals Derived from Edible Plants and Fungi

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Message from the Guest Editors

Phytochemicals as organic chemical compounds occurring naturally or produced by plants and fungi in many cases are secondary metabolites. Generally, they are produced in response to various stressful conditions to defend against biotic and abiotic threats. Many of these compounds are characterized by various bioactive properties such as antioxidant, anti-inflammatory, anti-microbial, enzyme inhibitory, or activator effects, which determine their use in humans. Moreover, bioactive compounds can influence the structure and quality of food products, which may significantly influence its health-promoting properties and thus can determine the bioactive properties of food products. The growing consumer awareness of the health effects of nutrition prompts scientists and food producers to use bioactive compounds of natural origin to increase the nutraceutical potential of the food.

For this Special Issue, we welcome papers that enhance our understanding of the occurrence of natural bioactive substances, their bioactive properties, the correlation between structure and activity, potential use in food technology, and factors influencing their production by plants and fungi.



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Special Issue



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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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