

## Special Issue

# New Horizons in the Synthesis, Recovery and Application of Bioactive Compounds Using Eco-Friendly Approaches

### Message from the Guest Editors

In recent years, there has been a growing interest in bioactive compounds such as pigments, minerals, polysaccharides, organic acids, dietary fibres, sugars, lipids, vitamins, protein hydrolysates and phytochemicals (polyphenols and carotenoids), serving not only as nutrients but also as natural additives and functional food ingredients with many beneficial health effects. Advances in their synthesis and/or extraction from plants have mostly been encouraged by the twelve principles of green chemistry, where three of them concern the use of solvents, safer reaction conditions, and waste prevention. The toxic and volatile nature of many organic solvents commonly used in the recovery of plant bioactive compounds have raised concerns about the environment and human health, thus stimulating innovations in extraction techniques. This Special Issue focuses on new horizons in the synthesis, recovery and application of bioactive compounds using eco-friendly approaches, including emerging extraction technologies, process optimization studies, and nutritive, functional, and pharmacological profiling toward the comprehensive utilization of bioactive compounds within the food industry.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 December 2024)



## Foods

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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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### Editor-in-Chief

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