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Bioactive Compounds in Foods: Separation, Extraction and Application

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Deadline for manuscript submissions:

20 June 2024



mdpi.com/si/181711

Message from the Guest Editors

Dear Colleagues,

Bioactive compounds can provide health benefits beyond the nutritional value and are originally present or added to food matrices. Foods and food (processing) waste are complex matrices containing an abundance of bioactive components, such as proteins, polysaccharides, lipids, PUFAs, vitamins, probiotics, prebiotics, antioxidants, and pectins. Their separation, extraction and characterization can be a challenge.

The aim of this Special Issue is to promote research that adopts processes, including biological ones, that can enhance the separation, extraction and obtainment of bioactive compounds, which enables their application in food, cosmetic and pharmaceutical industries. Membrane technologies that are expected to play an important role in sustainable separation processes, efficient and environmentally friendly extraction methods, as well as applications directly related to gut microbiota and the formulation of symbiotic functional foods, are particularly welcomed.

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