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Plant Extracts: From Extract Technology to Health Benefits

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Message from the Guest Editors

The extraction of plant specialized metabolites represents a challenge still today. Indeed, the recovery of bioactive compounds from by-products deriving from agri-food chains fits with the concept of environmental sustainability and circular economy. For this reason, the optimization of extraction processes based on green technologies, characterized by low energy-consuming, represents the goal for the development of large-scale methods to be implemented at an industrial level.

The special issue regards the validation of the functional activity of the extracts on specific experimental models, that take into account the poor bioavailability and structural changes of these compounds, also due to modulation of the gut microbiota. Thus, the study of the biological effects of *in vivo* bio-transformed metabolites could represent another important advance in the knowledge of the mechanisms of action triggered by these compounds.



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Special Issue



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Message from the Editor-in-Chief

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