

Special Issue

Extraction of Bioactive Molecules from Food By-Products and Their Utilization as Functional Ingredients

Message from the Guest Editor

This Special issue will try to focus on interdisciplinary research, which incorporates concepts from many different fields, including microbiology, chemical engineering, and biochemistry, with the final aim to provide solutions for the extraction of bioactives from food by-products, and their utilization as functional ingredients. Inclusive examples of popular topics expected in this Special Issue are

- The application of “green” or emerging technologies for the extraction of bioactive compounds from food by-products;
- Use of bioactive compounds as
 - antioxidant ingredients
 - nutraceuticals supplements
 - compounds with pharmacological or antimicrobial activity
 - additives for retarding lipid oxidations
 - additives for limiting the heat-induced degradation reactions;
- Qualitative and quantitative determinations of the food metabolome using advanced analytical equipment and chemometric tools, with the aim to demonstrate the functional properties of food by-products.

Prof. Matteo Scampicchio

Guest Editor

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About the Journal

Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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