Special Issue

Isolation, Identification and Bioactivity of Food-Derived Compounds

Message from the Guest Editors

The purpose of this Special Issue is to provide an up-to-date overview of the current research on food bioactive compounds, biological activities, and the techniques for their isolation and identification. Bioactive substances can be found in food of plant and animal origins, and their biological activity can be relevant for the impact diet has on human health. Moreover, advances in isolation and identification techniques could represent an important aspect related to the ever-so-growing nutraceutical and supplement market. Attention will also be given to the retrieval of bioactive substances from byproducts of food production, in the best interest of reducing waste and optimizing the green economy process. Contributions may cover all related to food bioactive molecules and characterization of their biological activity, including methods for extraction, purification, comprehensive profiling characterization, and quantification. The elucidation of their mechanisms of action with a focus on improved methods for assessing bioactive components and their bioaccessibility will be of interest. Advances in analytical approaches, -omic sciences, and biotechnology will also be covered.

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2022)

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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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