

Special Issue

Extraction, Modification, Functionality and Bioactivity of Plant Proteins for a Healthy and Sustainable Food System

Message from the Guest Editors

Food proteins from plant sources such as legumes, cereals, oil seeds and other special crops are increasingly being exploited as more sustainable protein ingredients to address environmental issues and human health concerns. This Special Issue aims to capture the latest advances in the extraction and structural modification of plant proteins for new or improved functionality and bioactivity for food, beverage and nutraceutical applications. We welcome articles, communications, and scientific reviews. Relevant topics include but are not limited to the following: 1. Novel methods and technologies for plant protein extraction and structural modification; 2. Functionality and bioactivity of plant proteins or hydrolysates in relationship with their structures; 3. Effective strategies for the applications of functional plant protein ingredients in plant-based food formulations (e.g., meat, beverages, yogurt, whipped cream, ice cream, mayonnaise, staple foods, 3D-printed foods), as well as plant-protein-based delivery systems.

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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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