Special Issue

Food Polyphenols as Affected by Food Processing Conditions

Message from the Guest Editors

In recent years, the role of polyphenols in human health has emerged, increasing interest in the use of polyphenol-rich ingredients in human nutrition. However, food processing is a critical parameter for the health-promoting role of polyphenols. In this regard, food processing is known to potentially alter the stability, bioavailability, and biological activity of phenolic compounds. Therefore, contributions to this Special Issue may cover all research aspects related to the characterization of phenolic compounds and their in vitro/in vivo antioxidant capacity, including processing methods and parameters that may affect the stability of polyphenols; the interactions between polyphenols and macronutrients that may affect phenolic profiles, bioavailability, and bioactivity; the characterization of process-related phenolic degradation products; potential modulation of phenolic metabolites on the gut microbiota; and critical reviews of the most important factors that need to be implemented to ensure the stability of phenolic compounds following a "from farm to fork" approach.

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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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