Special Issue

Antioxidant Capacity of Phytochemicals in Fruits and Vegetables

Message from the Guest Editors

It is well established that many phytochemicals found in fruits and vegetables, e.g., phenolics, anthocyanins, carotenoids, tocopherols, ascorbic acid, among others, are critical to counteract the deleterious effects of oxidative stress events involved in several chronic diseases like cancer, diabetes, cardiovascular, and neurodegenerative disorders. Into this framework, new insights into the antioxidant capacity of natural phytochemicals remain a current topic.Contributions to this Special Issue can cover innovative and promising studies related to phytochemicals extraction methodologies, chemical characterization and quantification, antioxidant capacity determination, mechanisms of action, and bioaccessibility/bioavailability studies. Evaluations of the phytochemical composition correlated with antioxidant capacity along different moments of the fruit and vegetable chain value, namely, preharvest (maturity stage, agricultural techniques, ripening time) and postharvest (preservation treatment) will also be considered.

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Deadline for manuscript submissions

closed (31 January 2023)

Molecules

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Impact Factor 4.2
CiteScore 7.4
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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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