Special Issue

Antioxidant Activity of Food Constituents

Message from the Guest Editor

The study of the role of plant-derived antioxidants in food and human health has gained increased research interest. Scientific evidence has demonstrated that the human health influence of fruits, vegetables, tea, coffee, and cacao originates from their antioxidant capacity. An antioxidant is a molecule capable of inhibiting the oxidation of other molecules. Antioxidants can protect the human body from free radicals and reactive oxygen species (ROS), delaying many chronic diseases, as well as lipid peroxidation.

The most representative dietary antioxidants are vitamin C, tocopherols, carotenoids, and polyphenols. They may have synergistic effects; in fact, the diet represents a good example where the interactions of the constituents may give positive effects that are greater than the properties of the individual constituents.

In this Special Issue, contributions, including original research and review articles, are welcome and may cover all aspects of antioxidants. Studies of their mechanism of action by different methods and approaches giving new methodologies or insights are of particular interest. Dr. Cardinali Angela

Guest Editor

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Deadline for manuscript submissions

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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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