



Modern Analytical Approaches in the Identification of Polyphenols in Food, Food Sub-products and Plant Matrices

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Message from the Guest Editor

Dear Colleagues,

Phenolic compounds are a large group of phytochemicals which are widely distributed in commonly consumed foods such as fruits, vegetables, whole grains, nuts, seeds, legumes, spices, coffee, tea, red wine, cocoa, and virgin olive oil. To date, more than 8000 naturally occurring phenolic compounds have been reported in plants. Dietary polyphenols can potentially protect against various chronic diseases. The most important effects of phenolic compounds include antioxidant, antibacterial, anti-inflammatory, antiviral, cancer chemopreventive, cardiovascular-protective, immunomodulatory, and hepatoprotective activities.

This Special Issue of *Antioxidants*, titled “Modern Analytical Approaches in the Identification of Polyphenols in Food, Food Sub-Products and Plant Matrices”, aims to collect original current research on the health benefits of polyphenols and their identification in food, food sub-products, and plant matrices. Covered aspects can include, but are not limited to, different extraction procedures and advanced analytical techniques of the isolation and characterization of polyphenols.





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Message from the Editor-in-Chief

It has been recognized in medical sciences that in order to prevent adverse effects of "oxidative stress" a balance exists between prooxidants and antioxidants in living systems. Imbalances are found in a variety of diseases and chronic health situations. Our journal *Antioxidants* serves as an authoritative source of information on current topics of research in the area of oxidative stress and antioxidant defense systems. The future is bright for antioxidant research and since 2012, *Antioxidants* has become a key forum for researchers to bring their findings to the forefront.

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