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Natural Bioactive Compounds Exerting Health Promoting Effects through Ameliorating Oxidative Stress

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Message from the Guest Editors

Oxidative stress is caused by various intrinsic and extrinsic factors. It has been widely accepted that dietary supplement interventions can decrease the levels of oxidative stress. Natural bioactive compounds (flavonoids, stilbenes, terpenes, alkaloids, saponins, polysaccharide, etc.) have been reported to exhibit multiple health promoting effects, including antioxidant activity. However, the underlying cellular signaling and molecular mechanisms of their effect in ameliorating oxidative stress are not fully understood. In this Special Issue, we will collect and summarize the antioxidant activities of natural bioactive compounds based on studies on cell culture models, animal models, and clinical trials.

Deadline for manuscript submissions:

closed (20 August 2024)



mdpi.com/si/167688

Special Issue



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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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