



Bioavailability and Bioactivity of Plant Antioxidants

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Message from the Guest Editors

Plant-derived antioxidants are a large group of chemical compounds including secondary metabolites of plants and substances formed in food during processing. Many research studies on plant-derived antioxidants have shown that these compounds exhibit a wide range of biological effects. The bioavailability and bioefficacy of plant-derived antioxidants are dependent on their molecular structure, food matrix, occurrence of other substances, and their digestion pathways. Recent evidence suggests that the pharmacokinetics and metabolism of bioactive compounds are crucial to understanding their role and function in human health. However, the accurate mechanisms of action, effects, and bioavailability of plant antioxidants are still not fully recognized.

This Special Issue is therefore seeking original research and review articles that elucidate the effect of metabolism and pharmacokinetics on the efficacy of plant antioxidants and other potentially health-promoting mechanisms. It would also welcome in vitro and in vivo studies of the bioavailability, Bioaccessibility, and bioactivity of plant-derived antioxidants.





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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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