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Second Edition of Bioavailability and Bioactivity of Plant Antioxidants

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Deadline for manuscript submissions:

closed (31 December 2023)

Message from the Guest Editors

Plant-derived antioxidants comprise a large group of chemical compounds including secondary plant metabolites 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. Recent evidence suggests that knowledge of the pharmacokinetics and metabolism of bioactive compounds is crucial to understand their role and function in human health. Furthermore, interactions of these bioactive compounds with the gut microbiota may also influence their biological roles. However, the precise mechanisms of the action, effects, and bioavailability of plant antioxidants have still not yet been fully characterized.

This Special Issue is therefore seeking original research articles and reviews covering the elucidated effects of metabolism and pharmacokinetics on the efficacy of plant antioxidants and other potential health-promoting mechanisms. Also welcome are in vitro and in vivo studies on the plant-derived antioxidant–gut microbiota interactions as well as the bioavailability, bioaccessibility, and bioactivity of plant antioxidants.



mdpi.com/si/142275

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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