



Plant Antioxidants and other Bioactive Compounds for Food Quality and Safety

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Deadline for manuscript
submissions:

closed (20 June 2023)

Message from the Guest Editors

In vivo, antioxidants quench radicals, reactive oxygen species (ROS), and other triggers of oxidation. A diet rich in antioxidants has been shown to reduce the risk of chronic diseases related to inflammation process. A High antioxidant content is also beneficial to foods, because they reduce the oxidation of lipids, proteins, vitamins, and other compounds prone to oxidation. Eventually, due to their antimicrobial and antifungal properties, some plant antioxidants have the potential to be used as natural preservatives together with mild preservation technologies.

We welcome original research papers and reviews dealing with the characterization and use of plant antioxidants as pharmaceuticals, dietary supplements, or food additives, as well as with innovative agronomic, molecular, biochemical, or technological approaches to improve the content or reduce the loss of antioxidants at harvest or during shelf life, also in foods of animal origin. The effects of plant antioxidants on human health, studies on bioavailability and bioaccessibility are also included in the topics of this 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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