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Plant Antioxidants in the “One Health” Paradigm

Guest Editors:

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Deadline for manuscript
submissions:
closed (31 January 2021)

Message from the Guest Editors

Redox homeostasis is pivotal in organism fitness, with several partners being involved in its regulation. In recent decades, several studies have focused on ROS, the putative effects of which evolved for years from metabolic tortfeasor to signaling molecules.

The purpose of this Special Issue of *Antioxidants* is to provide a current overview on redox biology in its specificities characterizing organisms with different evolutionary levels (from bacteria to mammals) as well as in its common metabolic routes and implications. The interaction between environment (including diet) and organisms modulating ROS and antioxidative pathways is also a topic of this Special Issue.

You are thus warmly invited to submit your work to this issue that focuses on the following issues:

ROS-antioxidant-related topics such as new vision for ROS/antioxidant crosstalk; plant antioxidative mechanisms; chemistry of plant antioxidants; characterization and analysis of antioxidant activities; evaluation of ROS production or content; role of diet antioxidant in human health; natural antioxidants in foods; and other related topics.

We look forward to your contribution.



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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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