

Special Issue

Novel Antioxidant Mechanisms for Health and Diseases, 2nd Edition

Message from the Guest Editor

Antioxidant therapy effectively addresses oxidative stress-related diseases. These conditions arise from the depletion of endogenous antioxidants, which leads to oxidative stress. Therefore, supplementation with exogenous antioxidants, including vitamins and polyphenols, has been suggested as a solution. However, some studies report potential drawbacks, such as neutralizing beneficial reactive oxygen species (ROS) or requiring excessive doses for effectiveness, making clinical application challenging. Oxidative stress plays a role in various contexts, from pathological conditions to fatigue and the side effects of anticancer drugs. Therefore, the rapid and precise replenishment of antioxidants that specifically counteract harmful ROS is crucial. This second edition welcomes submissions that approach antioxidant therapy using novel ideas that differ from existing antioxidant therapies, including gene therapy, and the elucidation of in vivo antioxidant mechanisms.

Guest Editor

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About the Journal

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.

Editor-in-Chief

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