

## Special Issue

# Novel Antioxidant Mechanisms for Health and Diseases

### 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.

Emerging approaches to antioxidant treatment offer new perspectives. Nutrigenomics-based treatments aim to enhance the body's antioxidant capacity by influencing gene expression through dietary choices.

Nano-antioxidant therapy employs inorganic substances to continuously generate antioxidants within the body. There are also treatments that increase the production of antioxidants by regulating the microbiome. These treatments are innovative antioxidant therapies that differ from those used in the past, aiming to enhance the body's antioxidant capacity by modifying the internal environment. The objective of this Special Issue is to delve into these novel antioxidant treatments to gain a better understanding of the new mechanisms that regulate antioxidant activity in the body. We hope that this Special Issue will lead to the discovery of new antioxidant treatments for oxidative-stress-related diseases.

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### Guest Editor

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### Deadline for manuscript submissions

closed (10 March 2025)



## Antioxidants

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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.

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### Editor-in-Chief

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