

## Special Issue

# Oxidative Stress and Biomarkers in Metabolic Disorders

### Message from the Guest Editors

Oxidative stress is an imbalance between the production of free radicals and the capacity of the antioxidant defense system to neutralize these reactive oxygen species. It is associated with various chronic diseases such as cardiovascular diseases, diabetes, cancer, and aging. Oxidative stress causes cellular damage by oxidizing macromolecules, including lipids, proteins, and DNA. This damage can disrupt metabolic pathways and lead to cellular dysfunction. Conversely, dysregulations of cellular intermediary metabolism can also lead to dysregulations of oxidative stress, such as a decrease in antioxidant molecules like glutathione. We invite you to submit your studies and reviews related to dysregulations of human metabolism in the context of oxidative stress, whether as causes or consequences of oxidative dysregulation and associated pathologies. Articles may focus on biochemical or metabolomic approaches to evaluate oxidative stress.

### Guest Editors

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### Deadline for manuscript submissions

closed (20 April 2024)



## 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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