

Special Issue

Redox Biology and Genomic Integrity

Message from the Guest Editor

The journal *Antioxidants* is pleased to announce a Special Issue titled "Redox Biology and Genomic Integrity". This Issue will delve into the complex interplay between redox biology and the maintenance of genomic stability. We aim to explore the biochemical mechanisms underlying the cellular responses to reactive oxygen species (ROS) and oxidative stress, and how these processes influence genomic integrity across diverse organisms. Specifically, we invite contributions that investigate the following topics:

- **The impact of redox imbalances**
- **The role of antioxidant defense mechanisms**
- **The significance of redox signaling**
- **Model organisms and their relevance to human health**

We encourage submissions of original research articles, reviews, and short communications that address these topics and advance our understanding of how redox biology affects genome integrity. Studies employing cutting-edge methodologies, such as high-throughput sequencing, proteomics, and live-cell imaging are particularly welcome.

Guest Editor

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Deadline for manuscript submissions

31 December 2025



Antioxidants

an Open Access Journal
by MDPI

Impact Factor 6.6
CiteScore 12.4
Indexed in PubMed



mdpi.com/si/220163

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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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