

Special Issue

The Implication of Oxidative Stress on Human Aging and Associated Pathologies

Message from the Guest Editors

This Special Issue aims to explore the multifaceted role of oxidative stress in the pathogenesis of age-related diseases, delving into the molecular mechanisms, signaling pathways, and potential therapeutic interventions, particularly focusing on the role of xenobiotic antioxidants. We invite contributions that investigate how oxidative stress influences cellular aging, promotes tissue degeneration, and contributes to chronic inflammation and metabolic dysfunction. Studies on antioxidant therapies, lifestyle interventions, and novel biomarkers for oxidative damage are particularly welcome. Through this collection of research articles and reviews, we aspire to foster advancements in the prevention and treatment of age-related diseases, enhancing the quality of life for the aging population. We invite you to submit your manuscripts, which we consider to be excellent opportunity to deeply comprehend these issues, preferably by 30 March 2025, by joining this endeavor and sending your availability to collaborate as well as your Abstract for which the deadline is 31 December 2024.

Guest Editors

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Deadline for manuscript submissions

closed (31 August 2025)



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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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