

Special Issue

Oxidative Stress in Eye Diseases

Message from the Guest Editors

Recent pioneering research in redox biology has enhanced our comprehension of the role of reactive oxygen species (ROS)-induced oxidative stress in aging, as the deterioration of the cellular antioxidant defense system is a significant contributor to the development of visual impairments such as glaucoma, age-related macular degeneration, and cataracts. Nevertheless, despite a wealth of information demonstrating the role of oxidative stress in the induction of aging-related blinding diseases, the molecular mechanisms involved in the onset of oxidative-induced pathology are poorly understood. Thus, there is a need to delineate the molecular mechanisms involved between oxidative stress and cell death types and identify the responsible culprit factor(s) to develop target-based therapeutics. This Special Issue of *Antioxidants* will focus on studies on unveiling the molecular mechanism of oxidative stress/aging-induced pathological signaling and identify the involved culprit factors causing onset of ocular pathology for a structured tailored approach to manage or treat oxidative-/age-related blinding disorders.

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Deadline for manuscript submissions

closed (30 November 2025)



Antioxidants

an Open Access Journal
by MDPI

Impact Factor 6.6
CiteScore 14.7
Indexed in PubMed



mdpi.com/si/219979

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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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