

Special Issue

The Role of Oxidative Stress in Age-Related and Degenerative Eye Diseases

Message from the Guest Editor

Oxidative stress plays a central role in the development and progression of many eye diseases, especially those associated with aging and neurodegeneration. As reactive oxygen species build up and redox balance is lost, the resulting damage to retinal structures contributes to vision decline in individuals with conditions such as age-related macular degeneration (AMD), glaucoma, diabetic retinopathy, and cataracts. This Special Issue of *Antioxidants* brings together current insights into how oxidative stress drives pathology in the aging eye. We are particularly interested in how redox imbalance disrupts key cell types, like the cells of the retinal pigment epithelium, photoreceptors, and ganglion cells, and how these changes intersect with inflammation, mitochondrial dysfunction, protein misfolding, and impaired autophagy.

Guest Editor

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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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