



Oxidative Stress and Eye Diseases

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Message from the Guest Editors

The oxidative stress plays a major role in the pathogenesis of multiple ocular diseases, either in the anterior or in the posterior segment of the eye, and is at the base of a vicious cycle in which oxidative stress burden progressively accumulates. The impairment of the endogenous anti-oxidant defenses with aging also contributes to dysfunction and oxidative stress burden in such diseases. In this context, natural compounds, and nanotechnological and molecular approaches targeting the oxidative stress or prompting the rescue of anti-oxidant defenses represent challenging strategies for the development of therapies to delay/limit the progression of multiple diseases.

In this Special Issue we invite researchers to provide original research articles, clinical reports, and review articles that relate to oxidative stress and corneal (i.e., keratoconus), lens (i.e., cataract) and retinal (i.e., age-related macular degeneration) diseases. Additionally, studies on anti-oxidant therapeutic strategies may be submitted for evaluation.





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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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