

## Special Issue

# Oxidative Stress-Induced Eye Diseases and Therapeutic Interventions

### Message from the Guest Editor

A prominent role for oxidative stress in diseases of the eye has been established in the last decade. Several approaches based on antioxidant supplementation or delivery have been proposed to alleviate oxidant stress-induced injury in ocular tissues. Tissue hypoxia participates in the pathogenesis of a number of eye disorders arising mainly from generation of oxy-free radicals, as documented in several in vitro and by clinical studies. Thus, antioxidant agents that scavenge the oxyradicals and peroxides assume therapeutic significance. For example, in Graves' Orbitopathy (GO), a randomized clinical trial has provided evidence for a beneficial effect of selenium. In addition to selenium, other endogenous and exogenous agents and their prodrugs (for example, those of N-acetyl cysteine and its derivatives in age-related macular degeneration) have potential for therapeutic applications in the clinic.

This Special Issue invites significant, novel, and new advances made on the role of several types of oxidative stress in ocular disease and modalities of intervention by antioxidant moieties.

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### Guest Editor

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### Deadline for manuscript submissions

closed (31 January 2022)



## Antioxidants

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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.

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### Editor-in-Chief

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