

Special Issue

Antioxidants and Retinal Diseases—2nd Edition

Message from the Guest Editors

The human retina is certainly one of the most sophisticated nervous tissue organizations that allows individuals to provide visual information to their brain, to be capable of visual perception. The different cell types involved in the processing of visual information, as well as the sustaining cells present in the retina, constitute a complex system and environment. Due to the communication mechanisms and metabolism of all these cells, an adequate redox homeostasis is essential for their function, and many retinal diseases are directly and indirectly related to it. An adequate provision of antioxidants to the ocular structures is crucial for the normal functioning of retinal structures. The synaptic and non-synaptic communication mechanisms within the retina and eventually with other tissues are also affected by redox disequilibrium and have been topics of intense research recently. We encourage authors to contribute original research articles or review papers focused on new insights about oxidative pathways or the use of antioxidants as therapeutic tools against retinal diseases.

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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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