Special Issue

Oxidative Stress in Cataracts: Mechanisms and Therapies

Message from the Guest Editors

Cataracts, a widespread and leading cause of vision impairment worldwide, manifest as clouding of the eye's natural lens. This clouding effect can progressively obstruct vision, leading to difficulties in daily activities and a reduced quality of life for affected individuals. One of the key mechanisms underlying the formation of cataracts is oxidative stress. Oxidative stress occurs when there is an imbalance between the production of harmful reactive oxygen species (ROS) and the body's ability to neutralize them with antioxidants. In the eye, this imbalance can lead to the oxidation of proteins and lipids within the lens, causing structural changes that result in cloudiness and opacity.

Guest Editors

Prof. Dr. Marjorie F. Lou

School of Veterinary Medicine and Biomedical Sciences, Redox Biology Center, University of Nebraska-Lincoln, Lincoln, NE 68583, USA

Dr. Hongli Wu

Department of Pharmaceutical Sciences, University of North Texas Health Science Center (UNTHSC), Fort Worth, TX 76107, USA

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Antioxidants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
antioxidants@mdpi.com

mdpi.com/journal/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.

Editor-in-Chief

Prof. Dr. Alessandra Napolitano
Department of Chemical Sciences, University of Naples "Federico II", Via Cintia 4, I-80126 Naples, Italy

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