

Special Issue

Mitochondrial Oxidative Stress in Aging and Disease—2nd Edition

Message from the Guest Editors

The natural phenomenon of aging features gradual changes in cell and mitochondrial functionality, originating from a blend of genetic, environmental and lifestyle factors, among which oxidative stress emerges as a major driver. Mitochondrial oxidative stress, directly or eliciting inflammation, ultimately results in age-related inflammatory and degenerative diseases, which have become the most common health threat nowadays. Various kinds of interventions, aiming to delay or to prevent the development of mitochondrial oxidative stress, have been proposed or are under actual study and represent a valuable and multifaceted therapeutical approach for such diseases. The goal of this Special Issue is to deliver a broad and updated overview of experimental models, molecular mechanisms and therapeutic options useful to tackle the involvement of “mitochondrial oxidative stress in aging and disease” through contributions by experts of the field in the form of research papers and critical reviews.

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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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