Special Issue

Reactive Oxygen Species in Central Nervous System Disorders

Message from the Guest Editors

It is now recognized that changes in the redox balance and an increase in oxidative stress occur during aging and in neurodegenerative illnesses, and that these are common traits that lead to central nervous system cell failure. In this Special Issue, we will pay special attention to the impact of oxidative-stress-dependent protein post-translational modifications on protein stability and function and the implications for central nervous system components (neurons, astrocytes, glial cells, stem cells) in aging and neurodegeneration. Both original articles and reviews are welcomed based on in vitro and in vivo studies, focusing on understanding how oxidative stress, through protein alteration (misfolding, aggregation, post-translational modifications, inflammation), impacts the viability and function of the cells of the CNS. Dr. Claudia Colussi
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Deadline for manuscript submissions

closed (15 June 2022)

Antioxidants

an Open Access Journal by MDPI

Impact Factor 6.6
CiteScore 12.4
Indexed in PubMed

mdpi.com/si/72902

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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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