

## Special Issue

# Oxidative Stress and Nrf2 in Neuroprotection

### Message from the Guest Editors

Oxidative stress is an important and common mechanism involved in the pathophysiology of many neurological diseases, and its neutralization decreases brain tissue damage. The nuclear factor erythroid 2-related factor 2 (Nrf2) is recognized as the master regulator of the antioxidant response. Nrf2 modulates the expression of antioxidants and phase II enzymes maintaining cellular redox homeostasis. Electrophile compounds and protein–protein interaction inhibitors are widely used as Nrf2 activators in preclinical models of neurological diseases, resulting in neuroprotection due to the decrease in oxidative stress. In this Special Issue, original reports and reviews are welcome with the aim to elucidate the molecular mechanisms associated with Nrf2 activation and its implication in neuroprotection, as well as the proposition of new molecules with the ability of decreasing oxidative stress through the Nrf2 pathway in neurological disorders.

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### Guest Editors

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Dr. Silva-Islas Carlos Alfredo

Dr. José Carlos Menéndez

Dr. Mercedes Villacampa

Dr. Ángel Cores

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### Deadline for manuscript submissions

closed (31 October 2023)



## 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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