

Special Issue

Oxidative Stress and Inflammation in Neurologic Diseases

Message from the Guest Editor

Oxidative stress/antioxidant balance and inflammation are major factors of neuronal death, which is the pathogenetic basis of many neurological diseases. From the pro-oxidant molecules, synthesized in excess, to the antioxidant ones, produced deficiently, there is a fragile line towards the initiation and maintenance of an inflammatory process. Activated pro-inflammatory cells, together with excessively produced pro-inflammatory cytokines, as well as matrix metalloproteinases, can contribute decisively to neuroinflammation, with important cellular or tissue damage consequences. Due to the complex function of the cells of the nervous system, the spectrum of neurological diseases produced by these pathogenetic mechanisms is extremely diverse. This Special Issue is addressed to all researchers involved in deciphering the pathogenetic mechanisms of neurological diseases who wish to contribute to the development of targeted and personalized therapies in the field of neurological disorders associated with neuroinflammation. In this Special Issue, original research articles and reviews are welcome.

Guest Editor

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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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