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Novel Therapies of Oxidative Stress-Induced Age-Related Neurodegenerative Diseases

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Message from the Guest Editors

Neurodegenerative disorders are characterised by an irreversible alteration of neural tissue structure and progressive loss of neuronal function. Oxidative stress is a key factor contributing to neurodegenerative disease progression.

This Special Issue aims to address several important questions. First, (i) is the neurodegeneration process a “one way ticket” to neuronal death, programmed early in life? and (ii) Can it be prevented by neuroprotective interventions? The growing body of literature on nutraceuticals, nutrigenomics and nutrigenetics demonstrates their promise as powerful neuroprotectors for future novel therapies that naturally enhance antioxidant capacity. Furthermore, different active compounds that target oxidative stress prove their efficiency. However, the delivery route of such compounds, which must pass through the BBB to infiltrate highly protective environments, remains obscure. In this light, it is our great pleasure to invite researchers to contribute relevant original research studies or review manuscripts to this Special Issue.



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Special Issue



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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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