



## Antioxidants and Anti-inflammatory Effects in Neurodegenerative Diseases

Guest Editors:

**Prof. Dr. Irene Paterniti**

Dipartimento di Medicina Clinica  
e Sperimentale, Università degli  
Studi di Messina, Messina, Italy

**Dr. Michela Campolo**

Department of Chemical,  
Biological, Pharmaceutical and  
Environmental Sciences,  
University of Messina, Viale  
Ferdinando Stagno D'Alcontres,  
31-98166 Messina, Italy

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### Message from the Guest Editors

Neurodegenerative diseases represent debilitating conditions characterized by the degeneration of neuronal cells in specific areas of the brain. Oxidative stress and inflammation are the hallmark of neurodegenerative disorders, contributing to the pathogenesis of progressive and acute neurodegenerative syndromes. Knowing the role of oxidative stress and inflammation processes in neurodegeneration, the use of molecules with antioxidant and anti-inflammatory activities could represent a possible strategy for the treatment of neurodegenerative diseases. This Special Issue aims to collect papers considering all aspects of oxidative stress and inflammation in neurodegenerative diseases, highlighting the potential properties of antioxidative and anti-inflammatory molecules and their signaling to offer a complete understanding of these diseases. Articles describing recent discoveries in the field of neurodegenerative diseases, with particular attention to the involvement of neuronal oxidative stress and anti-inflammation, are especially welcome.





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## Editor-in-Chief

**Prof. Dr. Alessandra  
Napolitano**

Department of Chemical  
Sciences, University of Naples  
"Federico II", Via Cintia 4, I-80126  
Naples, Italy

## 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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*Antioxidants* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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