

## Special Issue

# Mitochondrial Dysfunction and Oxidative Stress in Parkinson's Disease

### Message from the Guest Editor

Parkinson's disease (PD) is one of the most common progressive neurodegenerative disorders of which the aetiology is still largely unknown. Although, mitochondrial dysfunction and oxidative stress (OS) are thought to be important pathophysiological factors in the disease progression. Mitochondrial dysfunction centred at complex I of the mitochondrial respiratory chain (MRC) has been well documented in the substantia nigra of patients with PD; although the cause of this impairment has yet to be fully elucidated, it may be the result of OS-induced oxidative damage to the MRC and mitochondrial DNA..... This Special Issue aims to highlight appropriate antioxidant therapeutic strategies that ameliorate OS in disease and target the mitochondria. This Special Issue will also focus on suitable low-invasive methods to assess evidence of OS in patients and their application to disease monitoring.

### Guest Editor

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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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