Special Issue

Novel Biomarkers and Treatment Strategies for Parkinson's Disease

Message from the Guest Editor

Parkinson's disease (PD) is the fastest-growing neurological disorder worldwide and remains a major clinical and societal challenge. Its management is complicated by progressive disability, levodopa-resistant symptoms, and treatment-related complications. Key priorities include slowing disease progression through the integration of sensitive biomarkers, early diagnostic tools, and targeted biological therapies. On the other hand, efforts toward disease modification face challenges due to the complex and multifaceted pathophysiology of PD; yet, promising approaches are emerging, including interventions targeting ⍺-synuclein aggregation and pathways implicated in genetic forms of the disease. Equally important is the refinement of symptomatic treatments—ranging from pharmacological to surgical and infusion-based therapies—with a focus on addressing levodopa-resistant symptoms and improving quality of life. This Special Issue welcomes contributions on disease-modifying strategies, biomarker discovery, clinical-trial design and endpoints, digital and technological innovations for disease monitoring, and the development of novel symptomatic treatments.

Guest Editor

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About the Journal

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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