

Special Issue

Alpha-Synuclein in Neurodegenerative Disorders: From Pathogenesis to Potential Therapies

Message from the Guest Editors

Neurodegenerative disorders central to the pathology is the role of alpha-synuclein. The aggregation of alpha-synuclein has been implicated in neuronal dysfunction and death, contributing to the clinical manifestations of these diseases. Notably, alpha-synuclein pathology also connects with other neurodegenerative disorders, underscoring its significance as a target for research and therapeutic development. This Special Issue aims to bring cutting-edge research and reviews that explore the multifaceted roles of alpha-synuclein in neurodegenerative disorders. We invite submissions that cover, but are not limited to:

- Molecular mechanisms of alpha-synuclein aggregation and toxicity;
- Genetic and environmental factors influencing synucleinopathies;
- Alpha-synuclein as a biomarker for early diagnosis and progression of neurodegenerative diseases;
- Therapeutic strategies targeting alpha-synuclein pathology;
- Comparative studies of alpha-synuclein's role across different neurodegenerative disorders;
- Advances in imaging and tracking alpha-synuclein in vivo.

Guest Editors

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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

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