

Special Issue

Bioactive Compounds in Neurodegenerative Diseases

Message from the Guest Editor

Neurodegenerative diseases are a group of progressive conditions that affect the nervous system, leading to the gradual deterioration and death of neurons. These diseases, which include Alzheimer's, Parkinson's, Huntington's, and amyotrophic lateral sclerosis (ALS), among others, are characterized by various pathological hallmarks such as the accumulation of misfolded proteins, neuroinflammation, and oxidative stress. Bioactive compounds have emerged as potential therapeutic agents in the context of neurodegenerative diseases. These molecules can modulate various cellular pathways and targets associated with disease pathology. They are known to play roles in suppressing inflammation, regulating gene expression, maintaining cellular membrane fluidity, and supporting immune functionality. This Special Issue aims to uncover the role of bioactive molecules in treatment strategies in neurodegenerative diseases, as well as their potential to mitigate neuroinflammation, oxidative stress, and neuronal loss. Original and review articles, including basic studies, are all welcome to be submitted.

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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