

Special Issue

Applied Natural Neuroprotection: Integrating Molecular Mechanisms with Therapeutic Application

Message from the Guest Editors

Neurodegenerative diseases present an escalating global health concern, with complex mechanisms and limited treatments, underscoring the need for innovative, multi-target strategies. This Special Issue of *Applied Sciences* explores applied natural neuroprotection, emphasizing interdisciplinary approaches that translate molecular insights into therapeutic advances. We welcome original research, reviews, and case studies on the neuroprotective potential of natural compounds, traditional medicines, or dietary interventions. Topics of interest include modulation of oxidative stress, inflammation, mitochondrial function, autophagy, and synaptic plasticity, alongside studies on preclinical or clinical applications and strategies to enhance bioavailability. Submissions combining molecular, pharmacological, and technological perspectives to bridge laboratory research and clinical practice are especially encouraged. This issue aims to propel translational progress in treating Alzheimer's, Parkinson's, Huntington's, and related neurodegenerative diseases.

Guest Editors

Dr. Francesco D'Egidio
Dr. Michele D'Angelo
Dr. Vanessa Castelli

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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