

Special Issue

Neuroprotective Potential of Bioactive Natural Compounds in Oxidative Stress Conditions, 2nd Edition

Message from the Guest Editors

Oxidative stress is one of the major causes of neuronal death in a variety of neurodegenerative diseases. Its contribution to neuropsychiatric disorders has been suggested as well. As the world's population is getting older, neurodegenerative diseases, such as Alzheimer's and Parkinson's disease, represent a growing medical, economic, and social issue. Although considerable progress has been made towards understanding the pathological mechanisms that underlie development and progression of these diseases at the molecular and cellular levels, this knowledge has not yet been successfully translated into the clinics. This Special Issue of *Molecules* is dedicated to research and review articles that cover the latest findings about the beneficial effects of bioactive natural compounds in the prevention and therapy of oxidative stress-driven neuronal injury. Studies devoted to investigation of efficacy and mechanisms of action of various bioactive molecules with the potential to regain metal homeostasis in the treatment of neurodegenerative diseases are particularly welcome.

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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