

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.

Guest Editors

Dr. Maja Jazvinščak Jembrek

1. Division of Molecular Medicine, Rudjer Boskovic Institute, 10000 Zagreb, Croatia
2. School of Medicine, Catholic University of Croatia, 10000 Zagreb, Croatia

Dr. Suzana Šegota

Ruder Boskovic Institute, Zagreb, Croatia

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

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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