

Special Issue

Natural Antioxidants, Dyes and Their Synthetic Analogs

Message from the Guest Editor

Beneficial properties of natural compounds can be improved by covalent or noncovalent chemical modifications. The modified derivatives may find useful applications in medical and material sciences. Antioxidant compounds, especially with an extended conjugated electron system, such as carotenoids or polyphenols, are proven radical scavengers and efficient agents against oxidative stress-related conditions. Nevertheless, these compounds are also promising candidates to create novel structures being organic conductive materials, molecular wires, or dyes with specific light-absorption properties, as well as amphipatic molecules with self-organization. The aim of this Special Issue, "Natural Antioxidants, Dyes and Their Synthetic Analogs," is to collect the recent discoveries about the native or modified structures, including isolation, structure elucidation, chemical modification, (semi)synthesis, antioxidant studies, structure–activity relationship, synergic effects, delivery, supramolecular organization, electrochemical and spectroscopic properties, in silico calculations, and other related findings.

Guest Editor

Dr. Veronika Nagy

Department of Biochemistry and Medical Chemistry, Medical School,
University of Pécs, Szigeti u. 12, H-7624 Pécs, Hungary

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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 molecular chemistry, now in its 30th 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.

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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