molecules

an Open Access Journal by MDPI

IMPACT FACTOR 4.412

Covered in: PubMed

Natural Antioxidants, Dyes and Their Synthetic Analogs

Guest Editor:

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

vera.nagy@aok.pte.hu

Deadline for manuscript submissions:
30 September 2022

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 stuctures being organic conductive materials, molecular wires, or dyes with specific light-absorption properties, as well as amphipatic molecules with self-oganization.

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.

molecules

an Open Access Journal by MDPI

IMPACT FACTOR 4.412

Covered in: PubMed

Editor-in-Chief

Prof. Dr. Farid Chemat
Université d´Avignon et des Pays du Vaucluse, 84029 Avignon, France

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 multidisciplinar y topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

Author Benefits

Open Access:— free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Reaxys, Embase, CaPlus / SciFinder, and many other databases.
Journal Rank: JCR - Q2 (*Chemistry, Multidisciplinary*) / CiteScore - Q2 (*Chemistry, miscellaneous*)

Contact Us

Molecules
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/molecules
molecules@mdpi.com
@Molecules_MDPI