Special Issue

Antioxidant Activity of Food Constituents

Message from the Guest Editor

The study of the role of plant-derived antioxidants in food and human health has gained increased research interest. Scientific evidence has demonstrated that the human health influence of fruits, vegetables, tea, coffee, and cacao originates from their antioxidant capacity. An antioxidant is a molecule capable of inhibiting the oxidation of other molecules. Antioxidants can protect the human body from free radicals and reactive oxygen species (ROS), delaying many chronic diseases, as well as lipid peroxidation.

The most representative dietary antioxidants are vitamin C, tocopherols, carotenoids, and polyphenols. They may have synergistic effects; in fact, the diet represents a good example where the interactions of the constituents may give positive effects that are greater than the properties of the individual constituents.

In this Special Issue, contributions, including original research and review articles, are welcome and may cover all aspects of antioxidants. Studies of their mechanism of action by different methods and approaches giving new methodologies or insights are of particular interest. Dr. Cardinali Angela

Guest Editor

Dr. Angela Cardinali

Institute of Sciences of Food Production (ISPA), Italian National Research Council, Rome, Italy

Deadline for manuscript submissions

closed (15 December 2020)



Molecules

an Open Access Journal by MDPI

Impact Factor 4.6 CiteScore 8.6 Indexed in PubMed



mdpi.com/si/32946

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

mdpi.com/journal/molecules





Molecules

an Open Access Journal by MDPI

Impact Factor 4.6 CiteScore 8.6 Indexed in PubMed



About the Journal

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.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Reaxys, CaPlus / SciFinder, MarinLit, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).

