antioxidants

IMPACT FACTOR 6.0 | Indexed in: PubMed | CITESCORE 10.6

an Open Access Journal by MDPI

Antioxidant and Chemopreventive Activity of Natural Compounds

Guest Editor:

Dr. Dimitrios Stagos
Department of Biochemistry and Biotechnology, University of Thessaly, Larissa, Greece

Deadline for manuscript submissions:
closed (31 March 2022)

Message from the Guest Editor

An important strategy for fighting cancer is chemoprevention. Chemoprevention is defined as the use of natural or synthetic chemical agents to reverse, suppress or prevent carcinogenic progression to invasive cancer. Many chemopreventive agents are phytochemicals. Natural compounds exert chemoprevention through modulation of the cells' redox status. In several cases, these changes in the cellular redox environment may lead to completely different outcomes. For example, some phytochemicals may act as antioxidants and protect from ROS-induced DNA damage, thus preventing mutagenesis and initiation of carcinogenesis. On the other hand, there are natural compounds inducing apoptosis of cancer cells by acting as pro-oxidants. We invite you to submit your latest research findings or a review article to this Special Issue which will bring together current research focused on critical thinking on the complex and interesting interplay between the antioxidant/pro-oxidant and chemopreventive activity of compounds of natural origin. The natural compounds may be individual substances or chemical mixtures derived from either terrestrial or marine sources.

antioxidants

IMPACT FACTOR 6.0 | Indexed in: PubMed | CITESCORE 10.6

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Alessandra Napolitano
Department of Chemical Sciences, University of Naples "Federico II", Via Cintia 4, I-80126 Naples, Italy

Message from the Editor-in-Chief

It has been recognized in medical sciences that in order to prevent adverse effects of "oxidative stress" a balance exists between prooxidants and antioxidants in living systems. Imbalances are found in a variety of diseases and chronic health situations. Our journal *Antioxidants* serves as an authoritative source of information on current topics of research in the area of oxidative stress and antioxidant defense systems. The future is bright for antioxidant research and since 2012, *Antioxidants* has become a key forum for researchers to bring their findings to the forefront.

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, PMC, FSTA, PubAg, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q1 (Chemistry, Medicinal) / CiteScore - Q1 (Food Science)

Contact Us

Antioxidants Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/antioxidants
antioxidants@mdpi.com
𝕏@antioxidants_OA