



Dietary Antioxidants: Micronutrients and Antinutrients in Physiology and Pathology

Guest Editor:

Dr. Ilaria Peluso

CREA, Research Center for Food and Nutrition, Rome, Italy

Deadline for manuscript submissions:

closed (15 July 2019)

Message from the Guest Editor

Dietary antioxidants include vitamins; essential micronutrients with physiological roles and symptoms of deficiency; as well as non-essential phytochemicals, such as polyphenols. On the other hand, some dietary phytochemicals induce (at the transcription level) antioxidant enzymes. However, polyphenols are within the antinutrient. In addition to the effect on mineral bioavailability, interferences with lipid absorption in humans. Therefore, the potential health benefit of polyphenols in the context of noncommunicable diseases associated with high fat and/or carbohydrate intakes could be mediated, at least partly, by antinutrient effects.

We invite you to submit your latest research or review articles to this Special Issue, which will clarify the distinction, within dietary antioxidants, between micronutrients and antinutrients and their different roles in physiology and pathology. This research can include both in vitro and in vivo studies relating to any of the following topics: clinical markers, anthropometric measures, anti-inflammatory, anticancer and antioxidant effects, molecular mechanisms, and epidemiological evidence.





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 (*Food Science & Technology*) / CiteScore - Q1 (*Food Science*)

Contact Us

Antioxidants Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/antioxidants
antioxidants@mdpi.com
[X@antioxidants_OA](https://twitter.com/antioxidants_OA)