Special Issue

Total Antioxidant Capacity in Health and Disease

Message from the Guest Editors

Total antioxidant capacity (TAC), also known as non-enzymatic total antioxidant capacity (NEAC), encompasses the synergistic interaction effects of all antioxidants in a given matrix (diet-foods or body fluids). NEAC is therefore regarded as a global measure of non-enzymatic antioxidant efficiency. Published values of NEAC in food allow for the quantification of dietary NEAC. The potential beneficial effects that antioxidants have in the prevention of chronic diseases have been studied in depth over the last few decades, but less attention has been devoted to the study of NEAC in the diet and in health and disease. This Special Issue examines the health effects of dietary antioxidants and overall antioxidant capacity on human health, considering antioxidant functions, effects on oxidative stress and inflammation, anti and pro-oxidant factors in the diet and interactions thereof, the antioxidant potential of dietary patters, nutrient antioxidants, and the contribution of dietary patterns and lifestyle factors to the body´s oxidative balance.

Guest Editors

Dr. Esther Molina-Montes

1. Department of Nutrition and Food Science, Faculty of Pharmacy, University of Granada, 18071 Granada, Spain
2. Institute of Nutrition and Food Technology (INYTA) 'José Mataix', Biomedical Research Centre, University of Granada, Avenida del Conocimiento s/n, 18071 Granada, Spain
3. Instituto de Investigación Biosanitaria ibs.GRANADA, 18012 Granada, Spain
4. CIBER de Epidemiología y Salud Pública (CIBERESP), 28029 Madrid, Spain

Dr. Angela Hernández-Ruiz

Iberoamerican Nutrition Foundation (FINUT), Granada, Spain

Deadline for manuscript submissions

closed (15 December 2021)

Antioxidants

an Open Access Journal by MDPI

Impact Factor 6.6
CiteScore 12.4
Indexed in PubMed

mdpi.com/si/38316

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

mdpi.com/journal/antioxidants

Antioxidants

an Open Access Journal by MDPI

Impact Factor 6.6
CiteScore 12.4
Indexed in PubMed

mdpi.com/journal/antioxidants

About the Journal

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.

Editor-in-Chief

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

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)

MDPI