antioxidants

IMPACT FACTOR 6.0 | Indexed in: PubMed | CITESCORE 10.6

an Open Access Journal by MDPI

Lipid Peroxidation: Analysis and Applications in Biological Systems

Guest Editors:

Dr. Jetty Chung-Yung Lee
School of Biological Sciences, The University of Hong Kong, Hong Kong, China

Dr. Thierry Durand
Directeur de Recherche CNRSInstitut des Biomolécules Max Mousseron (IBMM), UMR 5247 CNRS, Université de Montpellier, ENSCM, France

Deadline for manuscript submissions:
closed (30 September 2018)

Message from the Guest Editors

It is globally known the interaction of free radical/reactive oxygen species (ROS) in lipid metabolism are the core source of lipid peroxidation reaction in the biological systems. The metabolites released can be biomarkers of oxidative stress such as isoprostanes in mammals and phytoprostanes in plants and food or act as mediators in signalling pathways to redox responses, and even displayed some health benefits. Collectively, they are also known as oxylipins and are ubiquitous in the living system. However, proper selection of analysis for valid evaluation of antioxidant potential in desired applications is needed to understand the principle mechanisms of these oxylipins including synthesis, distribution, metabolism, and excretion in plants and mammals. This Special Issue welcomes papers on aspects of oxylipins derived from polyunsaturated fatty acids related to the following topics: health and diseases, metabolism, antioxidants, analytical views, chemistry and biomarkers.

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