Special Issue

NO-Donors with Antioxidant Activities

Message from the Guest Editors

Nitric oxide (NO) is a gaseous endogenous messenger ubiquitous in mammalian tissues, controlling a broad array of physiological and pathological processes, such as cancer initiation, progression, and response to therapy. NO is a multitarget species able to attack proteins, lipids, and DNA. The biological effects of NO in cancer are strictly dependent on its concentration. Low levels of NO inhibit apoptosis, while high levels of NO promote apoptosis. NO properties have been exploited in anticancer therapy in particular, since there is evidence that it can overcome drug resistance. In view of the great potentiality of NO in cancer therapy, some important NO-donors were hybridized with currently used antitumor drugs in order to develop new more potent anticancer agents. This Special Issue aims to collect papers or reviews dealing with all aspects of NO-donors, alone, conjugated or hybridized with anticancer drugs in order to obtain synergistic or additive effects. Studies examining with particular attention the antioxidant/pro-oxidant activities in vitro or in vivo of RNS produced by the compounds are especially welcome.

Guest Editors

Prof. Dr. Loretta Lazzarato
Department of Drug Science and Technology, University of Turin, 10125 Turin, Italy

Prof. Dr. Chiara Riganti
Department of Oncology, University of Torino, via Santena 5/bis, 10126 Torino, Italy

Deadline for manuscript submissions

closed (31 December 2021)

Antioxidants

an Open Access Journal by MDPI

Impact Factor 6.6
CiteScore 12.4
Indexed in PubMed

mdpi.com/si/36588

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)