

Special Issue

Redox Regulation in a Tumor Microenvironment

Message from the Guest Editors

The tumor microenvironment (TME) has been recognized as one of the major players in tumor progression, dissemination and chemoresistance. The term TME refers to a complex and dynamic system composed of many different cell types, such as fibroblasts, immune cells and endothelial cells, which are immersed in the mesh of the extracellular matrix (ECM). The reciprocal interaction between cancer and neighbouring cells, as well as the components of ECM, can be studied from various aspects of cancer biology, but the overarching component of all these aspects is their redox nature. This is, at the same time, one of the most puzzling questions in cancer biology considering that the line between pro- and anti-tumorigenic effects of reactive oxygen species (ROS) is still poorly defined. Thus, further comprehensive fundamental and pre-clinical research is necessary in order to gain a better understanding of the redox nature of cancer initiation and progression, to exploit its vulnerability points and to anticipate and prevent potential anti-cancer therapeutic-resistant mechanisms.

Guest Editors

Dr. Milica VUCETIC

Centre Scientifique de Monaco (CSM), 8 Quai Antoine 1er MC 98000 Monaco, Monaco

Dr. Jacques Pouyssegur

1. Institute of Research on Cancer and Aging (IRCAN), University of Nice-Sophia Antipolis-CNRS-Inserm, Centre A. Lacassagne, 06189 Nice, France
2. Centre Scientifique de Monaco (CSM), 8 Quai Antoine 1er MC 98000 Monaco, Monaco

Deadline for manuscript submissions

closed (31 May 2022)



Antioxidants

an Open Access Journal
by MDPI

Impact Factor 6.6
CiteScore 12.4
Indexed in PubMed



mdpi.com/si/94622

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

[mdpi.com/journal/
antioxidants](https://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](https://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)