

## Special Issue

# Antioxidants in Cancer in 2021

### Message from the Guest Editor

Increased oxidative stress is a common feature of many types of cancer. Reactive oxygen species (ROS) have a number of functions within cancer cells, depending on the radicals formed, their concentration, and the location of the cells where they develop.

Macromolecular damage induced by ROS may contribute to the onset of tumors. Low levels of ROS can mediate proliferation, survival, and progression of tumor cells through various cellular signaling pathways. High levels of ROS can induce tumor cell death as well as the formation of cancer stem cells. Therefore, understanding the targeted regulation of intracellular ROS levels after treatment with antioxidants or chemotherapy at different stages of cancer progression and identifying the related multiple pathways in cancer cells may help develop novel therapeutic approaches to cancer. In this Special Issue of *Antioxidants*, “Antioxidants in Cancer”, experts are invited to contribute original research papers or review articles that will provide insights into the role of antioxidants in cancer treatment and prevention.

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### Guest Editor

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### Deadline for manuscript submissions

closed (28 February 2021)



## Antioxidants

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## 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.

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### Editor-in-Chief

Prof. Dr. Alessandra Napolitano  
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