# Special Issue

## Anti-inflammatory and Antioxidant Properties of Plant Extracts

### Message from the Guest Editor

Most parts of plants have been used as extracts and may possess anti-inflammatory and antioxidant properties related to diseases such as diabetes, atherosclerosis, neurodegenerative, or cancer. In addition, plant extracts, as anti-inflammatory agents, can regulate the composition of gut microbiota. Currently, phytochemical and ethnobotanical studies are being carried out in order to identify the mechanism of action of a wide variety of natural compounds present in plant extracts. In this way, certain ailments whose etiology involves immune dysfunction or persistent inflammation can be protected by plants consumption by downregulation of pro-inflammatory cytokines, COX, and reducing translocation of NF-kB to the nucleus. Also, bioactive principles of plants can regulate oxidative stress caused from an imbalance in the production of reactive oxygen species (ROS) and the antioxidant capability of the cell enzymes. This Special Issue may publish original research papers and reviews on aspects related to the anti-inflammatory and antioxidant properties of plant extracts as well as the modulators and pathways involved in these therapeutic actions.

### Guest Editor

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### Deadline for manuscript submissions

closed (31 December 2020)

**Antioxidants**

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**Impact Factor 6.6**
**CiteScore 12.4**
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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.

### Editor-in-Chief

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