

Special Issue

Natural Antioxidant in Cardiovascular and Cerebrovascular Diseases

Message from the Guest Editors

Natural antioxidants are widely distributed in food and medicinal plants, and differ in their composition, physical and chemical properties. Owing to their diverse components, they exhibit a wide spectrum of biological effects and mechanisms of action, and have been a productive source of lead compounds for the development of novel therapeutics. Oxidative stress causes damage to proteins, lipids and DNA, and occurs when ROS accumulate in cells due to an imbalance between ROS production and the antioxidant system. Numerous studies have demonstrated that ROS play a crucial role in the pathophysiology of a variety of diseases, including cardiovascular and cerebrovascular diseases, which are regarded as one of the major causes of mortality worldwide. This Special Issue focuses on new findings related to natural antioxidants and their relevance to cardiovascular and cerebrovascular diseases. This issue also welcomes contributions on the role of ROS at the cellular level, providing more knowledge about oxidative damage mechanisms in cells, organelles and signaling molecules. Authors are invited to submit both original research papers and review articles.

Guest Editors

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Deadline for manuscript submissions

closed (15 March 2022)



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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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