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Oxidative Stress and Inflammation in Cardiovascular Diseases

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Message from the Guest Editor

Cardiovascular diseases are the leading cause of death worldwide, and the risk factors include smoking, high blood pressure, diet, high cholesterol, and diabetes. Oxidative stress and inflammation are intricately linked mechanisms and are significant drivers in the development and progression of cardiovascular disease. Although reactive oxygen species are a natural byproduct of metabolism, oxidative stress occurs when there is a build-up of reactive oxygen species that are unable to be scavenged by the available intracellular antioxidants. Oxidative stress leads to damaged DNA, protein, and lipids. Further research is required not only to develop a better understanding of the mechanisms underlying oxidative stress and inflammation in cardiovascular disease but also to aid in the development of targeted interventions to combat both inflammation and oxidative stress.

We are inviting you to submit research or review articles to this Special Issue on oxidative stress and inflammation in cardiovascular diseases, which will be dedicated to providing further insight into recent developments in the field.



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Special Issue



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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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