



Oxidative Stress and Inflammation in Cardiovascular Diseases - 3rd Edition

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Message from the Guest Editors

Cardiovascular diseases are the leading cause of death worldwide, with risk factors such as diabetes, high blood pressure, and obesity increasing the prevalence of disease. Oxidative stress and inflammation are intricately linked mechanisms and are significant drivers in the development and progression of cardiovascular disease. Additionally, increased oxidative stress activates several inflammatory pathways, resulting in the production of inflammatory cytokines that damage the cardiovascular system. Given the increased burden of cardiovascular diseases, there is a clear need to develop a better understanding of the mechanisms underlying oxidative stress and inflammation in these diseases. Furthermore, the importance of understanding cardiovascular diseases has been further highlighted this past year during the pandemic where they predict a greater chance of morbidity and mortality among COVID-19-infected individuals.

In this Special Issue, our aim is to summarize the current understanding of cardiovascular complications, highlighting the novel and innovative work being carried out.





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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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