

Special Issue

Free Radicals and Cardiovascular Diseases

Message from the Guest Editors

Reactive oxygen species (ROS), including free radicals, play a pivotal role in the pathogenesis and development of cardiovascular diseases (CVDs). Due to the multifactorial influence of oxidative stress in CVD genesis and the numerous interlinked cellular cascades, novel integrative approaches may reveal new insights into the basis, progression, and treatment of CVD pathophysiology. We invite investigators to contribute research papers, as well as review articles, that develop our understanding of ROS-dependent signaling mechanisms and new therapeutic targets against CVDs. Potential topics include, but are not limited to:

- intracellular signaling cascades and redox-sensitive transcription factors, targeting free radicals and antioxidants, that contribute to our understanding of the mechanisms of CVDs;
- identifying new biological pathways (e.g., the endocannabinoid system) that underlie cardiovascular complications mediated by ROS;
- therapeutic interventions against CVDs, such as pharmacological and genetic antioxidant therapy; and
- exercise-induced alterations in oxidative stress and inflammatory processes related to CVDs.

Guest Editors

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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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