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Oxidative Stress and Cardiovascular Disease

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Deadline for manuscript
submissions:

closed (30 September 2018)

Message from the Guest Editors

The “oxidative stress theory” of cardiovascular disease is based on the assumption that the initial phase of disease is sustained by the increase in oxidative stress, dependent on ROS, produced both by blood cells and by resident cells of the arterial wall. We welcome original research articles and review articles, that explore the mechanism insight and development of novel oxidative stress biomarkers, the development of strategies to treat these pathologies and the evaluation of outcomes, in particular using antioxidants drugs.

Potential topics include, but are not limited to:

- Recent advances on the impact of oxidative stress in cardiovascular disease and atherosclerosis;
- Redox signaling in the development of cardiac hypertrophy, remodeling and arrhythmias
- Advances in epigenetics of CV diseases and atherosclerosis
- Novel risk factors in cardiovascular diseases and latest advances in clinical evaluation
- Elucidating the role of Oxidative Stress in Cardiovascular Inflammation
- New molecules and biochemical pathways for the development of atherosclerotic plaque
- microRNAs biology, their role in patho-physiology and therapy



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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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