

## Special Issue

# Oxidative Stress in Cardiovascular Diseases (CVDs)

### Message from the Guest Editors

Oxidative stress has been associated with many pathophysiological processes, including cardiovascular diseases. Different overactivated ROS sources such as the mitochondrion, NADPH oxidase, xanthine oxidase, or cyclooxygenase-2 are involved in the development and maintenance of diseases such as hypertension, atherosclerosis, heart failure, stroke, or diabetes. This Special Issue of *Antioxidants* entitled "Oxidative Stress in Cardiovascular Diseases (CVDs)" aims to provide a close look at the current research on the role of oxidative stress in cardiovascular pathologies. Original research articles and reviews addressing the gaps in the knowledge of the mechanisms triggered by the accumulation of ROS and the subsequent effect on the organism, including end-organ damage, in cardiovascular pathologies are welcome.

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### Guest Editors

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### Deadline for manuscript submissions

closed (10 March 2026)



## Antioxidants

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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.

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### Editor-in-Chief

Prof. Dr. Alessandra Napolitano  
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