

## Special Issue

# Oxidative Stress Induced by Air Pollution, 2nd Edition

### Message from the Guest Editor

Over the recent decades, rapid industrialization and urbanization have significantly increased the levels of air pollution, presenting a multifaceted challenge to global public health. One of the critical consequences of exposure to various air pollutants is the induction of oxidative stress, a complex imbalance between the production of reactive oxygen species (ROS) and the body's ability to detoxify or repair the resulting damage. This phenomenon has emerged as a pivotal link between air pollution and a myriad of adverse health outcomes, ranging from respiratory diseases to cardiovascular disorders and beyond.

Building upon the fruitful first edition, this second edition will further unravel the complex interplay between air pollution and oxidative stress. By assembling a collection of cutting-edge studies, this Special Issue seeks to deepen our understanding of the intricate pathways through which air pollutants contribute to oxidative stress and, consequently, influence the development and progression of various diseases.

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### Guest Editor

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### Deadline for manuscript submissions

closed (31 October 2025)



## 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

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