

Special Issue

Oxidative Stress and Immune Regulation in Respiratory Diseases

Message from the Guest Editor

Chronic respiratory diseases are characterized by increased oxidative stress, which contributes to the disease process. Exposure to pollutants, smoking, and poor diets are major contributors to oxidative stress. On the other hand, the interplay between oxidative stress and immune regulation plays a central role in the pathophysiology, exacerbation, and progression of these chronic respiratory diseases. Interventions aimed at optimizing these factors can support better disease outcomes; therefore, research aimed at uncovering the mechanisms that trigger oxidative stress and immune dysregulation offers valuable insights into the underlying processes of such diseases. This Special Issue of *Antioxidants* aims to publish articles that address the pathophysiological mechanisms of various stimuli that lead to oxidative stress and examine all aspects of airway inflammation in chronic respiratory diseases. This knowledge can drive the development of new therapeutic targets and strategies. Original research papers detailing recent discoveries in lung redox biology and inflammation are welcome, along with reviews from experts in this field.

Guest Editor

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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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