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Oxidative Stress in Respiratory Diseases

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Message from the Guest Editors

Oxidative stress is defined as an imbalance between the increased production of reactive oxygen species (ROS) and reduced or defective antioxidant mechanisms. Oxidative stress plays a significant role in the development and maintenance of the inflammatory process that occurs in the course of respiratory diseases such as cystic fibrosis, allergic rhinitis, asthma, and chronic obstructive pulmonary disease. Moreover, oxidative stress leads to direct tissue damage as well as worsening of lung function, bronchial wall edema, constriction of the bronchioles and smaller airways, and excessive mucus secretion.

In this Special Issue, we invite you to submit original research papers, review articles, and clinical trial results related to any aspect of the assessment and role of oxidative and nitrosative stress in the pathogenesis of respiratory diseases and antioxidant therapeutic approaches.

Deadline for manuscript submissions:
closed (15 September 2024)

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Special Issue

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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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