

Special Issue

Oxidative Stress in Respiratory Diseases—Second Edition

Message from the Guest Editors

Oxidative stress is a key factor in the pathogenesis and progression of various respiratory diseases. It results from an imbalance between the production of reactive oxygen species (ROS) and the body's antioxidant defense mechanisms, with an excess of ROS being produced. Respiratory diseases such as asthma, chronic obstructive pulmonary disease (COPD), cystic fibrosis, and allergic rhinitis are strongly influenced by oxidative stress. This Special Issue aims to explore the complex role of oxidative and nitrosative stress in respiratory diseases, highlighting novel mechanisms, biomarkers, and potential therapeutic approaches. We welcome original research articles, reviews, and clinical trial results that focus on assessing oxidative stress levels, understanding their impact on disease progression, and evaluating antioxidant strategies as potential treatments. Contributions addressing molecular pathways, innovative diagnostic tools, and the effects of environmental factors on oxidative stress-related respiratory conditions are particularly encouraged.

Guest Editors

Dr. Sabina Galiniak

Department of Biochemistry and General Chemistry, Institute of Medical Sciences, Medical College of Rzeszow University, Warszawska 1a, 35-310 Rzeszow, Poland

Prof. Dr. Stephen M. Black

Center for Translational Science, Florida International University, Port Saint Lucie, FL 34987, USA

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Antioxidants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
antioxidants@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Alessandra Napolitano

Department of Chemical Sciences, University of Naples “Federico II”,
Via Cintia 4, I-80126 Naples, Italy

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