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Antioxidants and Lung Diseases

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Deadline for manuscript
submissions:

closed (28 February 2022)

Message from the Guest Editors

The goal of this Special Issue is to bring together current views, new insights, and cutting-edge research related to oxidative injury, antioxidant function, and redox signaling in the pathogenesis, diagnosis, and/or treatment of acute or chronic pulmonary diseases. Potential topics include but are not limited to:

- Detection and regulation of reactive oxygen species and oxidative modifications to proteins, lipids, and nucleic acids;
- Functions of non-enzymatic and enzymatic antioxidants (e.g., glutathione and thioredoxin superfamilies, superoxide dismutase, catalase, vitamin C and E);
- Modifications of redox-active metals and metal-binding proteins;
- Compartmentalized redox perturbations (e.g., mitochondria, ER, lysosome, nucleus, extracellular);
- Identification of redox-sensitive molecular networks through discovery platforms (e.g., -omics);
- Influence of redox perturbations on pulmonary cell programming, function, and inflammation during injury and repair related to genetic and environmental diseases.

We look forward to your contributions!



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Special Issue



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Editor-in-Chief

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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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