



Redox-Active Molecules as Therapeutic Agents

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Deadline for manuscript
submissions:

closed (31 January 2021)

Message from the Guest Editor

Oxidative stress and altered redox signaling have been described in a plethora of pathological conditions, such as inflammation, cardiovascular diseases, diabetes, cancer, and neurodegenerative disorders, among others. The concept of redox-active therapeutics explores the potential usefulness of redox-active molecules to modulate the progression of such diseases. Although the therapeutic potential of many natural and synthetic compounds has been suggested for decades, recent advances in molecular biology and pharmacology, including the omics approaches, have strengthened this field of research by providing novel mechanistic insights, especially regarding the redox modulation of critical signaling pathways. This Special Issue aims at publishing state-of-the-art research related to the therapeutic potential of redox-active molecules in a broad perspective, covering from basic science to clinical research, focused on the potential effects of either natural or synthetic compounds on different redox-related diseases. Researchers are invited to submit original research articles and reviews to this 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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