

Special Issue

Non-Coding RNAs and Reactive Oxygen Species

Message from the Guest Editor

The cellular transcriptome consists of a diverse array of untranslated RNAs. Non-coding RNAs (ncRNAs) have emerged as crucial regulators in various cellular processes, such as gene regulation, epigenetic modifications, and cellular signaling. Excessive ROS production or impaired ROS detoxification mechanisms can result in oxidative stress, leading to cellular damage and diverse diseases. The objective of this Special Issue is to explore the intricate relationship between ncRNAs and ROS, with a particular focus on the effects of ncRNAs on mitochondrial function, ROS production, and apoptosis in human cells, shedding light on the regulatory roles of ncRNAs in cellular homeostasis and disease pathogenesis.

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.

Editor-in-Chief

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