Special Issue

Reactive Oxygen Species as Modulators of Redox-Dependent Signal Transduction Pathways

Message from the Guest Editor

Understanding the mechanisms underlying cellular redox homeostasis may help us to develop new therapeutical strategies to counteract the development of a wide range of redox-dependent pathologies, including cardiovascular, neurodegenerative, and inflammatory-based diseases and cancer.

The aim of this Special Issue is to bring together recent research, in the form of either original research papers or reviews, on the activity and control of redox-regulated cell systems in physiological processes and pathological conditions. These can include both in vitro and in vivo studies aiming to explore molecular mechanisms as well as cell and body responses. In addition, the role of phytochemicals and xenobiotics in the control of redox-dependent pathophysiological conditions will be considered.

Guest Editor

Dr. Mario Allegra
Dipartimento di Scienze e Tecnologie Biologiche Chimiche e Farmaceutiche, Università degli Studi di Palermo, 90123 Palermo, Italy

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

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Prof. Dr. John T. Hancock
School of Applied Sciences, University of the West of England, Bristol, UK

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