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Antioxidant, Anti-inflammatory and Anticancer Activities of the Natural Products

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Message from the Guest Editors

For a number of years, it has been clear that inflammation and cancer are intimately interlinked, and that reactive oxygen species (ROS) play a fundamental role in the origin and maintenance of both conditions.

While our understanding of the role of ROS in both inflammation and cancer has matured significantly, it is still uncertain how to harness antioxidants as a valid therapeutic approach. To complicate matters further, many of the reports on the anti-inflammatory and anticancer effects of antioxidants are regarded as pseudoscience due to an abuse of irrelevant in vitro models at non-physiological concentrations. Despite this complex situation, we strongly believe that modulation of ROS levels holds clinical potential.

Therefore, the aim of this Special Issue of Antioxidants (MDPI) is to highlight the profound links between ROS-mediated specific and unspecific oxidative processes, inflammation and cancer. We welcome submissions that contribute to this area of research in any fashion although we encourage bench to bedside approaches with either synthetic or natural products.



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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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