



Anti-cancer Potential of Plant-Based Antioxidants

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Message from the Guest Editors

The use of medicinal plants is the oldest form of primary healthcare, and has always been profitable in medical and pharmacological terms. Currently, it is well known that approximately 50% of the most effective drugs are derived from natural sources, hence the great interest of the pharmaceutical industry in exploring new natural sources for the extraction and identification of bioactive ingredients with potential health benefits. In this context, the study of medicinal plants and plant-derived bioactive substances plays a fundamental role in cancer therapy, allowing for the identification of molecules with valuable biological activity and/or the development of anticancer drugs widely used in the clinical practice, such as taxanes, chloroquine and artemisinin.

This Special Issue welcomes original research articles and comprehensive reviews dealing with the molecular mechanism of action underpinning the antitumor activity of functional antioxidants derived from plants on all types of neoplastic disease, including studies in vitro, animal models and clinical trials.





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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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