



Antioxidants for Breast Cancer

Guest Editor:

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Message from the Guest Editor

Breast cancer is one of the most frequent cancer, and one of the leading causes of death among women worldwide. Investigations showed that dietary antioxidants exhibit anti-breast cancer effects as they not only inhibit tumor cell proliferation and viability, but also aggressiveness by targeting tumor initiating cells, epithelial to mesenchymal plasticity, migration, and invasion. This evidence should be addressed with caution because, first, some of these properties could not directly be attributed to the antioxidant capacity of these compounds and, second, contradictory reports noted absence of a beneficial impact of antioxidants on breast cancer patient prognosis.

This special issue of *Antioxidants* is focused on addressing the latest research on the beneficial and/or negative roles of antioxidants, from either natural or synthetic origins, on breast cancer, including prevention, onset, and progression, as well as their potential as adjuvant therapies at different levels, with special attention on immunotherapy, targeted therapies, chemo and radiation therapy, surgery, or resistance to treatment, as well as on patient prognosis.





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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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