Special Issue

Advances in Plant Antioxidants in Breast and Gastric Cancer Therapy

Message from the Guest Editor

Breast cancer is the most common cancer diagnosed in women and gastric cancer ranks as the second most common malignant disease. Chemotherapy and radiation therapy are the principal therapeutic approaches used for the treatment of breast and gastric cancer. However, resistance has been indicated as a major obstacle in therapy for breast and gastric cancer patients and acquired resistance is still unclear. Hypoxia is known to be involved in chemoresistance and radioresistance. Recently, to overcome these resistances in cancer therapy, therapeutic strategies using plant antioxidants have been suggested and challenged to overcome these resistances. Therefore, we suggest that plant antioxidants need to be investigated for their pathophysiological and molecular mechanisms of anti-cancer effects, such as apoptosis, cell death, necrosis, ER stress, necroptosis, cell cycle arrest, ROS, Ca2+, and autophagy in vitro and in vivo in resistant models. This Special Issue focuses on the new advances in therapeutic strategies to overcome resistance in Breast and Gastric cancer therapy.

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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