



Dietary Bioactive Compounds and Breast Cancer

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Message from the Guest Editors

Over 80% of cases of breast cancer are non-hereditary, and therefore, modifiable extrinsic factors related to lifestyle play a key role in its prevention. Plant foodstuff is the most important source of bioactive compounds that have been reported to exert anticancer effects by playing a broad range of pleiotropic multi-targeted activities on breast cancer cells and animal models. Although many epidemiological and observational studies have inversely correlated the fruits and vegetables consumption with breast cancer incidence, the involvement of their phytochemicals remains still contradictory. Over the past decades, wrong approaches without considering their bioavailability and metabolism have been behind the current gap between preclinical and clinical research.

Therefore, this Special Issue will publish original research and review papers on the chemopreventive and/or chemosensitization effects to breast cancer of dietary bioactive compounds and/or derived metabolites using physiologically relevant preclinical (cell and animal models) and clinical approaches. Epidemiological, meta-analyses, and bioavailability studies are also warmly welcome.





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Message from the Editor-in-Chief

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