



Dietary Bioactive Compounds and Breast Cancer

Guest Editors:

Dr. Antonio González-Sarrias

Laboratory of Food and Health,
Food and Technology
Department, National Council for
Scientific Research (CEBAS-CSIC),
Murcia, Spain

**Dr. Juan Antonio Giménez-
Bastida**

Laboratory of Food and Health,
Research Group on Quality,
Safety and Bioactivity of Plant
Foods, Department Food Science
and Technology, CEBAS-CSIC,
P.O. Box 164, Campus de
Espinardo, 30100 Murcia, Spain

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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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Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

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