

Special Issue

Dietary Bioactive Compounds and Breast Cancer

Message from the Guest Editors

Breast cancer is the most common occurring cancer and one of the leading causes of cancer-related death in women worldwide. Over 80% of cases are non-hereditary, and therefore, modifiable extrinsic factors related to lifestyle, including dietary habits, play a key role in its prevention. Plant foodstuff is the most important source of bioactive compounds, including polyphenols, carotenoids, phytosterols, and others, 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. Over the past few decades, wrong approaches without considering their bioavailability and metabolism have been behind the current gap between preclinical and clinical research. Therefore, this Special Issue of the CIMB will publish original research and review papers on the chemopreventive and/or chemosensitization effects on breast cancer of dietary bioactive compounds and/or derived metabolites using physiologically relevant preclinical (cell and animal models) and clinical approaches that could elucidate whether they are responsible for the effects attributed to plant-based foods.

Guest Editors

Dr. Antonio González-Sarrías

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 Helath, 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

Deadline for manuscript submissions

closed (31 May 2023)



Current Issues in Molecular Biology

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 3.7
Indexed in PubMed



mdpi.com/si/109309

Current Issues in Molecular Biology
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cimb@mdpi.com

[mdpi.com/journal/
cimb](https://mdpi.com/journal/cimb)





Current Issues in Molecular Biology

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 3.7
Indexed in PubMed



[mdpi.com/journal/
cimb](https://mdpi.com/journal/cimb)



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Madhav Bhatia

Department of Pathology and Molecular Medicine, University of Otago,
Christchurch 8140, New Zealand

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PMC, PubMed, Embase, CAPlus / SciFinder, FSTA, AGRIS, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).

Recognition of Reviewers:

APC discount vouchers, optional signed peer review, and reviewer names are published annually in the journal.