

Special Issue

Molecular Mechanisms of Bioactive Nutrients Promoting Health through Gut Microbiota 2.0

Message from the Guest Editors

It is becoming clear that human gut microbiota plays a critical role in human health. The human gut microbiota, depending on dietary intake and consequently nutrient availability within the gut, can produce either harmful metabolite led to human diseases or beneficial compounds that protect against host diseases. Bioactive components obtained from dietary source which are designed and characterized to meet human nutritional and immunological needs as well as balance the gut microbiota. The goal of this special issue is to collect the latest research findings on the interrelationship among bioactive food components (such as phytochemicals and complex carbohydrates), gut microbiota, colon stem cells, and chronic metabolic diseases.

Guest Editors

Prof. Dr. Baojun Xu

Food Science and Technology Program, Department of Life Sciences, Beijing Normal University-Hong Kong Baptist University United International College, Zhuhai 519087, China

Dr. Matteo Bordiga

Dipartimento di Scienze del Farmaco, Università degli Studi del Piemonte Orientale "A. Avogadro", Largo Donegani 2, 28100 Novara, Italy

Deadline for manuscript submissions

closed (28 June 2024)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 8.1
Indexed in PubMed



mdpi.com/si/94540

*International Journal of
Molecular Sciences*
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

mdpi.com/journal/

[ijms](https://ijms.mdpi.com)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 8.1
Indexed in PubMed



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

ijms



About the Journal

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

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

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)