



Bioactive Agents Effective in the Prevention of Metabolic Syndrome

Guest Editor:

Dr. Luís R. Silva

CPIRN-UDI/IPG—Centro de
Potencial e Inovação em
Recursos Naturais, Unidade de
Investigação para o
Desenvolvimento do Interior do
Instituto Politécnico da Guarda,
6300-559 Guarda, Portugal

Deadline for manuscript
submissions:

20 February 2025

Message from the Guest Editor

Bioactive compounds are the food constituents that provide beneficial health effects to functional foods and nutraceuticals. These compounds exhibit antioxidant, anti-inflammatory, and antifungal activities as well as additional preventative properties. They are also the target mechanisms that manage, prevent, and/or treat chronic or acute disorders. Metabolic syndrome is a clinical syndrome characterised by several comorbidities, including abdominal obesity, arterial hypertension, dyslipidemia and hyperglycemia, which together represent an important risk factor for the onset of cardiovascular diseases and premature death, as well as have a significant impact on healthcare costs. Bioactive compounds are an effective weapon in the battle against metabolic syndrome.

In this regard, the consumption of functional foods and natural bioactive compounds may have a positive impact on body weight, blood pressure and glucose metabolism control, endothelial damage, lipid profile improvement, inflammation, and oxidative stress.





an Open Access Journal by MDPI

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

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.

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)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI