



Bioactives and Nutraceuticals in Metabolic Syndrome II

Guest Editors:

Dr. Enrique Barraón-Catalán

Institute of Research,
Development and Innovation in
Healthcare Biotechnology of
Elche (IDiBE), Miguel Hernández
University (UMH), Alicante, Spain

Prof. Dr. David Arráez-Román

Department of Analytical
Chemistry, Faculty of Sciences,
University of Granada, Avda
Fuentenueva s/n, 18071 Granada,
Spain

Dr. María Herranz-López

Instituto de Investigación,
Desarrollo e Innovación en
Biotecnología Sanitaria de Elche
(IDiBE)-Miguel Hernández
University (UMH), 03202 Elche,
Spain

Deadline for manuscript
submissions:

closed (31 March 2022)

Message from the Guest Editors

Metabolic syndrome is a group of metabolic abnormalities, such as insulin resistance, hypertension, dyslipidemia, and excess body fat around the waist that may occur in the same individual. Adults with metabolic syndrome present obesity-associated metabolic, oxidative and inflammatory disturbances. A better understanding of disease-associated metabolic pathway alterations may lead to the identification of new drugs and to the development of new therapies against metabolic abnormalities.

Natural products are a source of anti-inflammatory, antihypertensive, antioxidant, antithrombotic and antihyperglycaemic molecules, possibly useful in the treatment or prevention of metabolic disorders. These compounds could interact in humans with pleiotropic effects in a variety of tissues involved in stress response pathways, thus increasing the ingestion of dietary natural products could be helpful in the management of obesity-related diseases.

This Special Issue is a collection of research and review articles on the benefits of bioactives and nutraceuticals with a special interest in the “New Insights in Natural Compounds in the Management of the Metabolic Syndrome”.





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 & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

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