



Plants and Diabetes: Description, Role, Comprehension and Exploitation

Guest Editors:

Dr. Alessandra Durazzo

CREA-Research Centre for Food and Nutrition, Via Ardeatina 546, 00178 Rome, Italy

Dr. Massimo Lucarini

CREA-Research Centre for Food and Nutrition, Via Ardeatina 546, 00178 Rome, Italy

Prof. Dr. Antonello Santini

Department of Pharmacy, University of Napoli Federico II, Via D. Montesano 49, 80131 Napoli, Italy

Deadline for manuscript submissions:

closed (30 November 2020)

Message from the Guest Editors

Many plants have been known to have medicinal values with potential beneficial effects on health for centuries. Phytoterapeutic compounds are well known to play a globally significant role, in particular in the management and treatment of various chronic diseases. The focus of the proposed Special Issue is the potential role of plants in the management and treatment of diabetes. The main topics include but are not limited to:

- Description of plants used in the management and treatment of diabetes.
- Use of plants for diabetes prevention/management.
- Chemical composition and functional properties. The elucidation of the main components and their properties.
- Delineation of the mechanisms of action; *in vitro* and *in vivo*.
- From plants to natural active compounds and/or ingredients: formulation of nutraceuticals, botanicals and dietary supplements, functional foods towards anti-diabetic drug development; profile and study of mode of action of antidiabetic formulations.
- The spectrum of multi-components of antidiabetic effects: description and therapeutic strategies.
- Identification and validation of new targets.





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