

Special Issue

Plant-Derived Bioactive Compounds during Pregnancy: Benefits and Risks

Message from the Guest Editor

This open access Special Issue aims to present a wide spectrum of original research data and review articles on the use of bioactive compounds of plant origin during pregnancy. This Special Issue will highlight their activity in different stages of pregnancy and fetal development, obtained from in vitro studies, animal models, and clinical trials, providing insight also into the molecular mechanisms involved. Bearing in mind the abundance of food and pharmaceutical products and their wide repertoire of biological properties, including antioxidative and antiinflammatory, the use of plant-derived bioactive compounds could also be a promising strategy for preventing or alleviating some pregnancy disorders. As in vitro, animal and human studies suggest, these compounds, especially in excessive dosages, may have adverse effects on fetal health and pregnancy outcome. The main feature of this Special Issue is to provide a platform to share novel research from the fields of biomedical nutrition and reproduction that can advance our understanding of effects of phytonutrients consumption on physiological and pathophysiological processes in pregnancy.

Guest Editor

Dr. Dragana Dekanski

Department for Biology of Reproduction, Institute for the Application of Nuclear Energy (INEP), University of Belgrade, Banatska 31b, 11080 Belgrade, Serbia

Deadline for manuscript submissions

closed (30 May 2024)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/177553

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

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





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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