

Special Issue

Melatonin and Vitamin D: Molecular Mechanisms and Biological Function

Message from the Guest Editors

Recently, numerous studies have provided new insights into the new biological capacities and health-related or clinical applications for melatonin, vitamin D as well as its metabolites. Namely, both substances have been widely documented as differentiative ones with beneficial impact such as the biological regulation of circadian rhythms, sleep, mood, reproduction, tumor growth, immune response, and neurodegenerative processes for melatonin or being a group of fat-soluble secosteroids responsible for increasing intestinal absorption of calcium, magnesium, phosphate, and many other biological effects for vitamin D.

The Special Issue on “Melatonin and Vitamin D: Molecular Mechanisms and Biological Function” will include manuscripts collecting the latest scientific findings in terms of molecular mechanisms of action and biological function of melatonin and vitamin D as well as their metabolites or homologues. Papers aim to improve our understanding of the biological meaningful of these substances as well as involved signalling pathways. Original experimental research, review articles, and commentary articles on this and related topics are invited.

Guest Editors

Dr. Konrad Kleszczyński

Department of Dermatology, University of Münster, 48149 Münster, Germany

Prof. Dr. Andrzej Slominski

Department of Dermatology, University of Alabama at Birmingham, Birmingham, AL 35294, USA

Deadline for manuscript submissions

closed (31 December 2021)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/80807

*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)