

Special Issue

Melanins and Melanogenesis 2.0: From Nature to Applications

Message from the Guest Editors

This Special Issue takes advantage of the open access format to offer a novel and stimulating perspective of the field. It is especially directed to translate the results of basic and academic research to applications that may raise the interest of researchers from industries and companies who are willing to develop innovative melanin- or melanogenesis-based solutions.

Contributions to this Special Issue may cover all aspects of the chemistry of natural and synthetic melanins with potential applications, melanogenesis inhibitors via the definition of the mechanism of action, approaches for the amelioration or control of all types of melanin-based pigmentary disorders, photoprotection strategies; innovative methodologies for the analysis of pigmented tissues and also for diagnostic purposes; molecular engineering methodologies for melanin production in microorganisms; and novel functions of melanins of potential application interest, drug targeting, and exploiting the specific affinity of melanins. Experimental papers, up-to-date review articles, and commentaries are all welcome.

Guest Editors

Prof. Dr. Alessandra Napolitano

Prof. Dr. Shosuke Ito

Prof. Dr. Manickam Sugumaran

Deadline for manuscript submissions

closed (31 March 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/21905

*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)* 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, and molecular biophysics. *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. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)