

Special Issue

Melanins and Melanogenesis 3.0: 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

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Prof. Dr. Shosuke Ito

Prof. Dr. Manickam Sugumaran

Deadline for manuscript submissions

closed (31 December 2022)



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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

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