

Special Issue

Melanin and Other Pigments: Function, Synthesis and Characterization

Message from the Guest Editor

Melanins remain an enigmatic class of biomolecules as their chemical structure and an explanation of their physicochemical properties are not fully understood. Although DOPA or dopamine are most frequently used as precursors for the synthesis and study of melanins, other catecholic or phenolic compounds can serve as precursors for melanin-like materials or related pigments.

We are pleased to invite you to contribute to this Special Issue. The aims of this Special Issue are to highlight (a) the chemical and physical properties melanins or related pigments have in common and (b) the chemistry or properties which make any pigment unique. An expansive overview of the current status in melanin and related pigment research would benefit the understanding and highlight the potential of any individual type of melanin or pigment.

In this Special Issue, original research articles and reviews are welcome and research areas may include, but are not limited to, the following: chemistry and the characterization or function of melanin or related pigments built from catecholic, phenolic, or indolic precursors.

Guest Editor

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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.

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