



Biology, Evolution and Application of Melanins – New Perspectives for Old Problems

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The study of melanins dates back to ancient Greece or even earlier, but the actual precise definition of these substances is still imprecise, particularly when comparing animals with other organisms from various domains and kingdoms. Much more can be said about their synthesis in animals, in particular at the biochemical level. However, melanins are organized differently than other macromolecular biopolymers, revealing a different hierarchy: instead of the primary, secondary, tertiary, and quaternary structures, they are described in micro-, meso-, and macroscopic measures.

I invite you to contribute to a Special Issue of the journal Applied Sciences entitled “Biology, Evolution and Application of Melanins—New Perspectives for Old Problems”, which aims to present recent developments in the field, with futuristic perspectives resulting from the recent, more or less unexpected (or just the opposite—long expected) discoveries and generalizations on melanin and related biopolymers of unusual properties and applications.

Dr. Przemysław M. Płonka
Guest Editor





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Message from the Editor-in-Chief

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