



*cosmetics*

an Open Access Journal by MDPI



## Melanogenesis and Melanin-Related Compounds: A Cosmetic Perspective

Guest Editor:

**Prof. Dr. Lucia Panzella**

Department of Chemical  
Sciences, University of Naples  
"Federico II", Via Cintia 4, I-80126  
Naples, Italy

Deadline for manuscript  
submissions:

**closed (31 July 2019)**

### Message from the Guest Editor

Melanin pigments are one of the main determinants of skin and hair sensitivity to ultraviolet light and susceptibility to sun damage. Moreover, an overproduction or accumulation of melanins can lead to a local excess of pigmentation (hypermelanosis) associated with disorders such as melasma, lentigo, or postinflammatory hyperpigmentation, with a significant medical and aesthetic impact. Melanin pigments are produced in melanocytes by tyrosinase catalyzed oxidation of tyrosine, followed by a complex series of events that are regulated by either enzymatic or non-enzymatic factors. Recent advances in the chemistry of melanins have allowed one to disclose a number of important structure–property–function relationships that are of crucial relevance to the biological role of human pigments, including skin (photo) protection and UV-susceptibility. This Special Issue welcomes original research manuscripts on eumelanin and/or pheomelanin biosynthesis, which represent structures and properties of cosmetic relevance. Articles describing depigmenting activity of natural or synthetic compounds, as well as reviews describing the current state-of-the-art, are also welcome.



[mdpi.com/si/20149](https://mdpi.com/si/20149)

# Special Issue

an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Enzo Berardesca**

Department of Dermatology and  
Cutaneous Surgery, University of  
Miami, Miami, FL 33136, USA

## Message from the Editor-in-Chief

*Cosmetics* is an international, scientific, open access journal on the science and technology of cosmetics, published by MDPI online quarterly. Original articles, reviews and other acceptance. The scientific community and the general public can unlimitedly access the content free of charge as soon as it is published. As a new journal, the publication fees are fully waived for papers submitted to *Cosmetics* in 2017. We would be pleased to welcome you as one of our authors.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [ESCI \(Web of Science\)](#), [CAPus / SciFinder](#), and [other databases](#).

**Journal Rank:** CiteScore - Q1 (*Surgery*) / CiteScore - Q1 (*Dermatology*)

## Contact Us

---

*Cosmetics* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/cosmetics](http://mdpi.com/journal/cosmetics)  
[cosmetics@mdpi.com](mailto:cosmetics@mdpi.com)