



*cosmetics*

an Open Access Journal by MDPI



## The Role of Lipids in Skin and Their Impact on Stress, Aging and Inflammation

Guest Editors:

**Dr. Sophia Letsiou**

Department of Research and Development, APIVITA SA, 19003 Athens, Greece

letsiou-s@apivita.com

**Prof. Dr. Sophia Hatziantoniou**

Laboratory of Pharmaceutical Technology, Department of Pharmacy, School of Health Sciences, University of Patras, 26504 Patras, Greece

schatzi@upatras.gr

Deadline for manuscript submissions:

**20 January 2022**

### Message from the Guest Editors

Lipids are highly important biomolecules for the formation and function of cellular membranes, cellular signaling and cell metabolism. Specifically, in human skin, lipids additionally serve in the formation of the epidermal barrier. On the other hand, lipids also regulate the permeability, physical properties and antimicrobial defenses of the skin. Thus, skin serves as an ideal organ for studying the pleiotropic effects of lipids, as it is frequently exposed to oxidative, chemical and thermal stress.

Research has unveiled the biological functions of lipid modifications in skin. These studies have emphasized their important role in stress and immune responses, aging processes, and inflammation in the skin. In this issue, we would like to present a collection of recent developments in skin lipids and their biological importance in the skin, focusing on their impact on stress responses, aging and inflammation.



[mdpi.com/si/78138](https://mdpi.com/si/78138)

# Special Issue



# *cosmetics*



an Open Access Journal by MDPI

## Editor-in-Chief

### **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 \(Web of Science\)](#), [CAPlus / SciFinder](#), and many [other databases](#).

**Journal Rank:** [CiteScore](#) - Q1 (*Surgery*)

## Contact Us

---

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

Tel: +41 61 683 77 34  
Fax: +41 61 302 89 18  
[www.mdpi.com](http://www.mdpi.com)

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