

Special Issue

The Microbiome in Dermatology and Cosmetology

Message from the Guest Editors

A single square centimetre of human skin can contain up to one billion microorganisms. These diverse communities of bacteria, fungi, mites and viruses can provide protection against disease, but can also exacerbate skin lesions, promote disease and delay wound healing. Although the skin typically acts as a barrier, these microbes interact with the internal body environment and can cause imbalances from the "healthy" state that have been linked to several dermatologic diseases. Understanding the changes in microbial flora in disease states allows for the potential to treat by restoring equilibrium. Further analysis of the human skin microbiome, and its interactions with the host immune system and other commensal microorganisms, will undoubtedly elucidate molecular mechanisms for disease and reveal gateways for novel therapeutic treatment strategies. In this Special Issue The microbiome in dermatology and cosmetology, we would like to present a collection of articles on dermatological, cosmetological, biological, pharmacological, dietary and other scientific fields. It will present different aspects of microbiota, and will intensify and consolidate the existing knowledge.

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