

Special Issue

Biofilms in Cosmetic Dermatology

Message from the Guest Editors

Biofilms are microbial communities living within a matrix of extracellular polymeric substances that promote adhesion to living or non-living surfaces. It is acknowledged that ~80% of human infections are linked to biofilms. Nevertheless, many antimicrobial studies still focus only on free cells. Biofilms are responsible for a numerous array of skin disorders. Clinically, biofilms pose a huge challenge due to their persistence and higher tolerance or resistance to traditional antimicrobial treatments. Despite current limitations in treatment options, a deeper comprehension of biofilm molecular biology and its pathogenicity holds promise for the creation of innovative anti-biofilm agents tailored for clinical application in dermatology.

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