



## Antioxidant Delivery Strategies for Prevention and Treatment of Skin Pathologies

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### Message from the Guest Editor

The skin is the most external organ of the human body, representing a barrier, which protects the body from external effectors and toxicant agents. Furthermore, the skin is exposed to many drawbacks and risks, deriving, for instance, from exogenous and endogenous agents that can lead to oxidative stress and inflammatory diseases. The disorders and pathologies affecting the skin span from chronic, inflammatory skin diseases, such as atopic dermatitis and psoriasis, to cancers, such as melanoma. Research efforts are devoted to finding efficacious prevention strategies and therapies for skin diseases, such as evaluating plant-derived antioxidant agents, as well as novel drug delivery systems which are suitable for topical administration. Several approaches based on conventional or more specialized pharmaceutical formulations are under investigation, such as nanoplatforms aimed at promoting transdermal antioxidant delivery via the *stratum corneum* barrier.

This Special Issue welcomes the most recent innovations, as well updates regarding the potential of antioxidant delivery systems for dermatological applications.





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## Message from the Editor-in-Chief

It has been recognized in medical sciences that in order to prevent adverse effects of "oxidative stress" a balance exists between prooxidants and antioxidants in living systems. Imbalances are found in a variety of diseases and chronic health situations. Our journal *Antioxidants* serves as an authoritative source of information on current topics of research in the area of oxidative stress and antioxidant defense systems. The future is bright for antioxidant research and since 2012, *Antioxidants* has become a key forum for researchers to bring their findings to the forefront.

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