



Role of Oxidative Stress in the Dermatological Diseases

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Message from the Guest Editors

Oxidative stress (OS) is an intrinsic part of skin metabolism. In the skin, both enzymatic and non-enzymatic antioxidants are involved in the defense against ROSs. The level and activity of antioxidant agents are higher in the epidermis compared to the dermis. In the skin, the accumulation of ROS leads to the development of a chronic inflammatory process, fragmentation, and disorganization of collagen fibers, resulting in significant alterations in the functional status of the cell, changes that can underlie in some cases the development of a malignant process. High levels of ROS in the skin cause erythema, edema, and pain. In the development of skin diseases, oxidative stress may play the role of an initiator of the pathogenic processes responsible for the appearance of the disease or may be the result of the activity of inflammatory cells involved in pathogenesis.

For this purpose, we invite you to submit your latest research findings or a review article to this Special Issue, which will bring together current research concerning the linkage between OS and dermatological diseases. We welcome submissions concerning both basic research and clinical studies.





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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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