



Therapeutic Effects of Natural Antioxidants on Skin Inflammation and Allergy

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Message from the Guest Editor

Oxidative stress is a dominant factor in inflammatory skin diseases as it regulates the biological components that mediate such diseases. These active substances are reactive species, which damage biomolecules such as lipids, proteins, and DNA.

Antioxidants are substances that neutralize ROS and protect the cells. Natural antioxidants are exogenous components that can be extracted from natural sources. They can improve skin health by reducing DNA damage from UV light, improving hydration, stimulating collagen and elastin production, reducing wrinkles and pigmentation, supporting healing processes, and reducing inflammation.

Therefore, this Special Issue aims to collate papers that examine the therapeutic effects of natural antioxidants on skin inflammation and allergy. Topics include the following: (1) mechanisms of oxidative stress and antioxidant defense in skin; (2) sources and properties of natural antioxidants for skin care; (3) methods and challenges of incorporating natural antioxidants into skin care products or cosmetics; (4) clinical evidence and future perspectives of using natural antioxidants for treating skin inflammation and allergy.





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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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