

Special Issue

Oxidative Stress in Dermatology, Aesthetics and Regenerative Medicine

Message from the Guest Editor

The skin, given its considerable extension (the largest of any other organ in the body), together with the microbiota that colonizes it, is a fundamental mediator of the continuous and bidirectional flow of information and metabolites between the human organism and the environment that surrounds it. Much of this flow is in turn under the control of the redox system, which, in the skin, for evolutionary and adaptive reasons, is one of the most developed in the whole organism. The correct functioning of the redox system (oxidative eu-stress) is fundamental for the well-being of the skin, from the epidermis to the dermis, up to the subcutaneous: in fact, most of the signaling and defense pathways linked to the inflammatory and regenerative response are under the control of the redox system. The purpose of this Special Issue is to promote the publication of studies and research on the functioning of the redox system of the skin and subcutaneous tissue in health and disease, with particular reference to biochemical, pathophysiological, clinical, diagnostic, and therapeutic aspects, in the fields of dermatology and aesthetics and regenerative medicine.

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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