



Functional Ingredients in Topical and Transdermal Delivery Systems

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Message from the Guest Editors

Topical and transdermal delivery systems are used to address regional and systemic pathologies and to improve the delivery of dermocosmetic active substances. Their efficacy is highly dependant on their stability and the extension of permeation across the skin of the bioactive compounds, which, in turn, depends on appropriate partition to the stratum corneum and facilitated diffusion through this impermeable layer. Different components of the formulation and technological strategies can beneficially influence this, either by increasing the solubility or stability or by promoting transcutaneous penetration. Innovative ingredients have been introduced to tackle these challenges, and one of the current trends is the use of materials from natural sources or even industrial by-products. Another interesting area is the development of innovative strategies to assess the safety and efficacy of these formulations.

This Special Issue, “Functional Ingredients in Topical and Transdermal Drug Delivery Systems”, will cover a selection of recent research topics and current review articles focusing on efficacious skin delivery systems.

