



Topical Pharmaceutical Products and Cosmetics

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Message from the Guest Editor

This special issue aims at focusing attention on the most modern formulation methods to direct the active ingredient at the site of action in or beyond the skin barrier for the treatment of localized or diffuse diseases.

In the first case, we talk about topical administration with an effect on the surface of the skin or within the skin (epidermis and dermis) to treat cutaneous disorders or cutaneous manifestations of a general disease, also with cosmetic purposes; the second case refers to transdermal administration with systemic effect.

The skin can be considered a real organ covering the body, with different functions: protective and barrier, sensorial, secretive and temperature and blood pressure regulation. The extremely effective barrier effect against external substances, microorganisms, sunlight, heat and electric current makes the skin difficult to penetrate and permeate. In fact, there are few molecules that easily permeate the cutaneous barrier due to their chemical and physical characteristics. The formulation plays an essential role in the interaction between the active and the substrate and in reversibly modifying the permeability of the skin barrier.



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Message from the Editor-in-Chief

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