



New ingredients in neurocosmetics

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Message from the Guest Editors

Modern cosmetology focuses on the research of new ingredients, especially peptides, that potentially facilitate interactions between skin and the nervous system; this fascinating interconnection has its roots in their common ectodermal origin.

Many cosmetic companies focus on the formulation of the so-called “neurocosmetics”, are not absorbed, having activity on the cutaneous nervous system or, in general, have effects on skin mediators”, by using ingredients that act mainly through following two mechanisms:

- Direct modulation on the cutaneous nerve endings, through the activation of particular cutaneous receptors dedicated to the perception of the sensation of freshness (menthol and derivatives); to the relaxation of the facial muscles; to the diminshment of wrinkles (botox-like peptides); or to the inhibition of the neuronal response to different environmental stimuli such as smog, air humidity, or temperature changes in hypersensitive skin (peptides);

This Special Issue "New Ingredients in Neurocosmetics" aims to clarify the definition of neurocosmetics and present new potential ingredients and technologies for the formulation of this category of products.





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Message from the Editor-in-Chief

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