

PHYSICAL CHEMISTRY & FORMULATION

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Molecularly Imprinted Polymers for Cosmetic Applications

The extraction of new molecules from plants, the vectorization and controlled released of new cosmetic bio-actives, the search for new formulations, all in an eco-friendly approach are some of the challenges facing the Cosmetics. Faced to that, molecularly imprinted polymers (MIP) are a vector of innovation. Over the past fifteen years, the exponential number of publications dedicated to the MIP technology proves the development of these smart polymers used in various fields (pharmaceutical, cosmetic, biotechnology, and environment). Many laboratories have used MIPs for extraction, analysis, strength, separation, detection, and more recently the vectorization of various biologically active compounds. Through selected data, we will exemplified how this technology is and can be applied to problems encountered in the field of cosmetics.