

Formulation and Evaluation of Herbal Hair Serum

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Abstract: *The cosmeceutical sector within the pharmaceutical industry is experiencing significant growth, as cosmetics become integral to our daily routines. These products cater to skin, hair, nails, and oral hygiene. Commonly utilized items include toothpaste, hair oils, and dyes. Nevertheless, numerous synthetic and chemical-laden cosmetics may result in adverse side effects, prompting a transition towards safer, natural, herbal, and organic alternatives that are more beneficial for the skin. Herbal products are recognized for their minimal or nonexistent side effects.*

Many people face hair-related challenges such as hair loss, dandruff, split ends, oily hair, thinning, and premature greying. This has sparked a heightened interest in remedies that foster healthy hair and promote growth. Hair serums are particularly effective in retaining moisture and ensuring a well-nourished, hydrated scalp.

Aloe vera gel is renowned for its soothing and hydrating properties, making it ideal for dry and irritated scalps. Vitamin E serves as a potent antioxidant that shields hair from damage and supports healthy growth. Rose water is beneficial for maintaining the scalp's pH balance and possesses anti-inflammatory characteristics. Sesame oil, rich in nutrients, nourishes the scalp and fortifies hair roots. Consequently, formulating a hair serum with these natural ingredients presents an excellent approach to addressing various hair concerns and enhancing overall hair care.

Keywords: Aloe barbadensis Miller, sesame oil, Rosa damascena

