

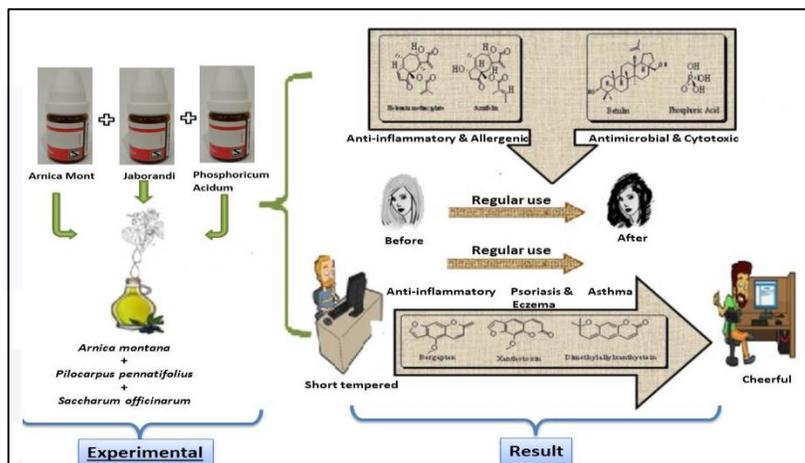
Development of a Unique Homoeopathic Cosmetic Formulation for Hair Growth and a Powerful Neuroprotective Gland Stimulator

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Background & Objectives

Malnutrition and stress may lead to rough skin and loss of mental health. Similarly, polluted environment is one of the major root causes of nasal polyp which eventually results in hair fall, greyish or white hairs and insomnia all over the world [1]. Hence, present study unveils antioxidant potential of *Arnica montana* (whole plant), *Pilocarpus pennatifolius* (flower) [2,3] and *Saccharum officinarum* (sugar cane vinegar) liquor for hair treatment and neuroprotective effects [4,5]. To the best of our knowledge, this is a first formulation developed with dual mode of action for the treatment of hair and mental stress. The uniqueness of this formulation lies in its dual target of cosmetic and medicinal effects [2,3]. This formulation exhibits healing, anti-inflammatory, and neuroprotective potential against scalp disorders [6-8]. These plants are reported for diverse range phytochemicals with potent bioactivities. For instance, xanthotoxin from *P. pennatifolius* is used to treat psoriasis & eczema. Similarly, dimethylallylxanthyletin cures asthma [2,6]. Moreover, Heleninmethacrylate and Bergapten exhibit anti-inflammatory whereas Arnifolin is an anti-allergic compound. In addition to these, Betulin and phosphoric acid were identified as anti-microbial and cytotoxic agents.



Result & Discussion

The newly developed out standing formulation has been under clinical practices since long for the hair fall, pigmentation and insomnia symptoms. Patients with general body disability often suffer from short temperedness, hair fall and pigmentation problems. Hence, formulation developed using *A. montana* (whole plant), *P. pennatifolius* (flower) and *S. officinarum* (sugar cane vinegar) liquor exhibited remarkable cosmetic and neuroprotective effects [2,3]. Continuous use of the developed formulation is effective without any side effects for more or less all the patients applied.

Conclusion

Currently used medicinal plants are very effective healers for auricular inflammatory processes and oxidative damages. To the best of our knowledge, this is a first formulation developed with dual mode of action for the treatment of hair and mental stress. Hence, its dual effect may be due to the presence of antioxidant phytochemicals including phenolics, flavonoids, etc., in these plants [7].

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