



A REVIEW ON OVERVIEW OF HERBAL HAIR TONIC

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ABSTRACT

Plants act as a supply of meals and medication from lengthy times. A extensive variety of plant oils are utilized in cosmetics and Toiletry preparations. Hair is an crucial a part of body, replicate character of person. There are many cosmetics To be had for hair care. From long term plant substances are used for hair care. In this review, Indian medicinal Plant life having hare care homes are summarized in phrases in their organic supply, lively components and biological activity.

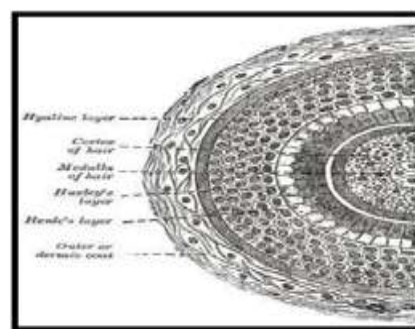
KEYWORDS: Aloe vera L., Fenugreek, Amla hair tonic, hair growth rate.

INTRODUCTION

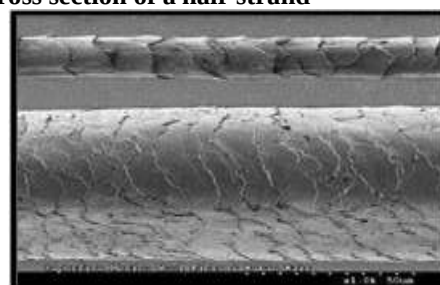
Hair tonic is a cosmetic dosage form used to promote hair growth in cases of baldness or hair loss. (Anonymous, 1985). Its application is only allowed to prevent hair loss and thinning, itchy scalp, and dandruff (Mitsui, 1996). Dosage forms for hair care and growth are available in a wide range of market. Chemicals, which can have adverse health effects, are still widely used as active ingredients although there are many potential natural ingredients to stimulate hair growth. Many plants have hair-raising properties, such as Glycyrrhiza glabra L. (licorice) and aloe vera L. Aloe vera has been used to treat hair loss and thicken and darken hair for dozens or even hundreds of years ago (Rostita, 2008). It contains ingredients that are ideal for cosmetics and dermatology some products. It is now one of the essential ingredients of the cosmetic industry (Dutt, 2002). 5% hydroalcoholic extract of Aloe vera showed better activity in increasing hair growth and thickness in mice compared with negative controls (baseline) when applied for one month (Jain, 2011). Licorice is an ingredient used for hair growth. In Ayurveda, it is used as a beauty product for skin Recreation. Compared with minoxidil and negative control, 2% petroleum ether extract Licorice made hair grow longer in female rats when applied once daily for 30 days. The first one hair growth phase occurs 5-13 days faster than minoxidil. In the anagen state (active state hair growth phase), this extract grows up to 76% of hair follicles, during treatment with minoxidil and the control group produced 66% and 45%, respectively (Sukirti, 2012). This study aims to^[1] create a hair tonic with the best activity from a combination of aloe, licorice and different fractions of 96% ethanol and.^[2]

Hair

Hair is easy in structure, however has vital features in social functioning. Hair is made from a hard protein known as keratin. Hair is a protein filament that grows from follicles Found in the dermis. Hair is one of the defining characteristics of mammals. The human body, apart from areas of glabrous skin, is covered in follicles which produce thick terminal and fine vellus hair. Most common interest in hair is focused on hair growth, hair types, and hair care, but hair is also an important biomaterial primarily composed of protein, notably alpha-keratin.



• Cross section of a hair strand



- Scanning electron microscopy image of Merino wool (top) and human hair (bottom) showing keratin scales

Attitudes towards different forms of hair, such as hairstyles and hair removal, vary widely across different cultures and historical periods, but it is often used to indicate a person's personal beliefs or social position, such as their age, sex, or religion.^[3]

Hair tonic

Hair tonic (plural hair tonics) A liquid or gelatinous substance carried out to the hair on one's head to enhance its look in diverse ways.^[4]

Types of hair tonic

- Shahnaz Husain Shatone Plus Herbal Scalp Tonic. ...
- Himalayan Organics Hair Tonic. ...
- Blue Nectar Briganantadi Hair Tonic. ...
- Greenberry Organics 12 In 1 Hair Tonic Oil. ...
- Khadi Natural Henna & Thyme Herbal Hair Tonic. ...
- Aloe Veda Distil Bhringraj Scalp Tonic. ...
- Jovees Amla And Bael Revitalising Hair Tonic.^[5]

Herbas used in hair tonic

- Amla
- Fenugreek
- Hibiscus
- Levender
- Aloe vera

1. Amla



“Fig no Amla.

Amla (*Emblica officinalis*)

Amla (*Emblica officinalis*, Family- Euphorbiaceae) is deciduous tree extensively determined in India at the peak of 350 m. It is regularly cultivated at industrial degree in Uttar Pradesh, Gujarat, Rajasthan and Maharashtra. Amla consists of 5-6% of tannins including gallic acid, ellagic acid and phyllembelin. It is commercialized withinside the shape of shampoos and hair oil. Mainly its oil and aqueous extract is used withinside the hair care formulations.^[6]

- Scientific classification of Amla
- Kingdom: Plantae
- Clade: Tracheophytes

- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: Malpighiales
- Family: Phyllanthaceae
- Genus: *Phyllanthus*
- Species: *P. Emblica*^[7]

Benifit of Amla for hair

- Condition your scalp.
- Promote healthy hair growth.
- Improve the tone of henna hair dyes.
- Minimize grays.
- Boost volume.
- Reduce dandruff.
- Treat head lice.^[8]

2. Fenugreek



“Fig no .2 Fenugreek“

Fenugreek (*Trigonella foenum graecum*)

Fenugreek (*Trigonella foenum graecum*, Family- Leguminosae) plant is a short developing annual leguminous herb approximately 2 ft in height. In India Fenugreek (*Trigonella foenum graecum*, Family- Leguminosae) is frequently cultivated as a cowl crop in citrus-fruit groves to take gain in their leguminous nature. The primary manufacturers of Indian fenugreek are Rajasthan, Gujarat, Uttar Pradesh and Tamilnadu. Generally seed is used to put together hair care formulations. Seed include alkaloids (Neurin, Trigonelline, Choline, Gentianine), amino acids (Isoleucine, 4- Hydroxyisoleucine, Histidine, Leucine, lysine), Saponins (Graecunins, fenugrin B, fenugreek, trigofenosides A-G), lipids, nutrients and fibers. Traditionally clean Fenugreek leaves paste carried out over the scalp often earlier than tubtub facilitates hair grow, preserves herbal color, continues hair silky and additionally remedies dandruff.^[9,14]

Benifits of Fenugreek for haire

- Fenugreek seeds are a wealthy supply of iron and protein — crucial vitamins for hair boom
- They additionally incorporate a completely unique composition of plant compounds, which include flavonoids and saponins.
- These compounds are presumed to result in hair

increase because of their anti inflammatory and antifungal effects.^[15]

Scientific classification of Fenugreek

Kingdom: Plantae

Clade: Tracheophytes

Clade: Angiosperms

Clade: Eudicots

Clade: Rosids

Order: Fabales

Family: Fabaceae

Subfamily: Faboideae

Genus: Trigonella

Species: *T. Foenum-graecum*^[16]

3. Hibiscus



“ Fig no .3 Hibiscus “

- Hibiscus is a genus of flowering plants in the mallow family, Malvaceae. The genus is quite large, comprising several hundred species that are local to heat temperate,
- subtropical and tropical regions throughout the world. Member species are famous for their large, showy plant life and people species are usually recognized truly as "hibiscus", or
- less extensively called rose mallow. Other names include hardy hibiscus, rose of sharon, and tropical hibiscus.^[17,18]

Benefit of hibiscus for hair

- Forestall hair loss.
- Stop hair loss.
- Make your hair look healthy and lustrous.
- Prevent premature graying.
- Thicken hair and add volume.
- Treat dandruff.
- Condition against frizz, dryness, and breakage.
- Prevent split ends.

Scientific classification of hibiscus

- Scientific name: *Hibiscus rosa-sinensis*
- Family: Malvaceae
- Kingdom: Plantae
- Order: Malvales

- Subfamily: Malvoideae
- Tribe: Hibisceae^[19]

4. lavender



“Fig no. 4 Lavender.”

- *Lavandula* (common name lavender) is a genus of forty seven known species of flowering plants in the mint family, Lamiaceae.
- It is native to the Old World and is found in Cape Verde and the Canary Islands, and from Europe across to northern and Japanese Africa, the Mediterranean, southwest Asia to Indian

Scientific classification of lavender

Kingdom: Plantae

Clade: Tracheophytes

Clade: Angiosperms Clade: Eudicots

Clade: Asterids

Order: Lamiales

Family: Lamiaceae

Subfamily: Nepetoideae

Tribe: Ocimeae

Genus: *Lavandula* L. *Aloe Vera*^[20,21]

Benefit's of lavender for hair

- It allows scalp hair growth. Lavender essential oil lately won interest for exciting hair growth. ...
- It's antimicrobial. ...
- It may also assist save you or kill head lice. ...
- It can also additionally assist diminish pores and skin inflammation. ...
- It has a relaxing impact and divine fragrance.^[22]

5. Aloe vera

- *Aloe vera* is a succulent plant species of the genus *Aloe*.
- It is extensively distributed, and is taken into consideration an invasive species in lots of global regions.



Fig no .5 aloe vera

- An evergreen perennial, it originates from the Arabian Peninsula, however grows wild in tropical, semi-tropical, and arid climates across the global.

Benifit of aloe vera for haire

- Strengthens hair. Aloe vera has many lively elements and minerals that may assist make stronger your hair. ...
- Controls greasy hair. Aloe vera has enzymes that ruin down fat and so strips your hair of any greater oil (sebum).
- Helps an itchy scalp. ...
- Protection from UV damage. ...
- Hair growth.

Scientific classification of aloe vera

- Kingdom: Plantae
- Clade: Tracheophytes
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales
- Family: Asphodelaceae
- Subfamily: Asphodeloideae
- Genus: Aloe
- Species : A vera

CONCLUSIONS

Based at the consequences concluded that hair tonic with components three confirmed a widespread difference From the poor control. Formula three ended in a hair increase charge of 2.6617 cm, hair boom Acceleration of 0.1635 cm/day, and hair weight of 0.1854 gram in 28 days. Hair tonic with this Components became strong in the course of the 30-day storage. Its traits covered brown colour with a typical Scent of menthol, a selected weight of 1.0577 g/mL, a viscosity of 2.8479 cP to distilled water, and pH 5.5.

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