

**PREPARATION AND EVALUATION OF HERBAL FACE PACK****B. D. Tiwari\*, Suraj R. Mashale and Mahabodhi Nagtilak**

Amepurva Forum's Nirant Institute of Pharmacy, Boramani, Solapur-413001.

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**\*Corresponding Author****B. D. Tiwari**Amepurva Forum's Nirant  
Institute of Pharmacy,  
Boramani, Solapur-413001.**ABSTRACT**

Natural remedies are more expectable in the belief that they are suffer with fewer side effects then the synthetic ones. Herbal formulations are becoming increasingly popular in the global market. The objective of this Work is to formulate and evaluated a cosmatic preparation polyherbal face pack made from herbal ingredient turmeric, bitter guard, Aloe vera powder, Fuller earth, Sandalwood, produced from local market in dried powdered and then passed through sieve no 80, mixed thoroughly prepared and evaluated for organoleptic and microscopical characteristics, the combined dried powder exhibited acceptable flow characteristics that made it appropriate for a face pack. Herbal face packs or masks are used to keep the skin supple, encourage blood flow, and clear the skin of debris.

**INTRODUCTION**

Everybody wants to get fair and charming skin. Now a day. Acne, blackheads, pimples, and dark circles are prevalent among adolescents and those affected by these conditions. Herbs like Manjistha, Lodhra. Chandana, Haridra etc. are good example of blood purifier. "The herbal paste known as 'mukha lepa' in Ayurveda is used to treat pimples, acne, scars, marks, and pigmentation. "Mukha lepana" is the term for the method of applying this herbal mixture to the face. This cosmetic therapy is popular as a facial. "Face pack" is the name of the smooth powder that is applied to the face. A good herbal face pack must supply necessary nutrients to skin. It should penetrate the subcutaneous tissues to give the necessary nutrition. Different herbal face packs are needed for different skin types.

The face packs indicated in Ayurveda are beneficial to ladies. To get rid of wrinkles, dark circles, pimples and acne.

Herbal face masks enhance skin fairness and suppleness. These face packs increase skin. The greatest ayurvedic remedy to promote equity is Glow. One of the most ancient and elegant ways to cleanse skin are face packs.

### **Benefits of herbal face pack**

1. Nourishes the skin. Fruit face packs provide crucial nutrients to the skin.
2. The natural elements in this product help to minimize acne, pimples, scars, and blemishes.
3. Typically, face packs eliminate dead skin cells.
4. These face mask provide a soothing and relaxing effects on skin.
5. They assist in quickly restoring the skin's lost luster and radiance.
6. Regular use of natural face mask bring glow to skin, improve skin texture and complexion.
7. The detrimental impacts of pollutants and severe temperatures can be effectively mitigated with the judicious application of face packs.
8. They aid in delaying the early signs of skin aging.
9. The appearance of wrinkles, fine lines, and loose skin can be effectively minimized with the use of natural face masks.
10. Natural face masks contribute to a youthful and radiant skin appearance.

### **Importance of skin care**

"A proper skincare routine is not just about appearance; it plays a vital role in protecting the skin from environmental damage, maintaining hydration and elasticity, and preventing common skin concerns like acne, dryness, hyperpigmentation, and premature aging."

#### **1. Skin as a protective barrier**

The largest organ in the body, your skin serves as a barrier against bacteria, grime, pollution, and, damaging UV radiation. Proper skincare strengthens this barrier, helping to keep harmful elements out and moisture in.

#### **2. Prevents skin problems**

Regular Cleansing and Moisturizing reduce the risk of issues like acne, clogged pores, dryness, irritation, and flakiness. Herbal face packs, for example, can help detoxify the skin and treat specific problems naturally.

#### **3. Supports Natural Healing and Renewal**

Your skin constantly sheds dead cells and regenerates. A good routine (Cleansing, Exfoliating and Using face packs) supports this process, making skin look fresh and smooth.

#### 4. Delays signs of aging

Proper hydration, Nourishment and Protection slow down the formation of wrinkles, fine lines, and dark spots. Natural ingredients like aloe vera, turmeric, and sandalwood are known for their anti-aging properties.

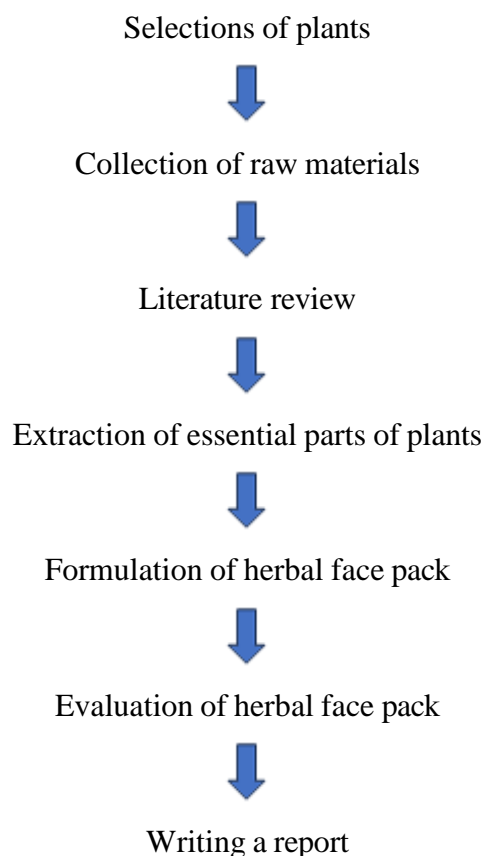
#### 5. Boosts Confidence and Mental Well-being

Healthy, glowing skin often improves self-esteem and mental health. Feeling clean and confident in your appearance can have a positive effect on your mood and social interactions.

#### 6. Long-Term Benefits

Long – term care is what skincare is all about, not temporary solutions.

### Plan of work



### The ingredients used in herbal face pack

Common Name	Biological Name	Chemical Constituent	Uses
1. Bitter Guard	Momordica charantia	sugars, proteins, chlorophyll, phenolics, carotenoids, cucurbitane triterpenoids, alkaloids, and	Anti inflammatory, Antimicrobial Property

		saponins.	
2.Sandal Wood	Santalum Album	Glycosides, Triterpenoids Flavonoids, Proteins and Polypeptides, Vitamins	Reduces Acne and Pimples
3.Aloe Vera	Aloe Barbadensis	Salicylic Acid, Aloesin	Cleansing and Antioxidant
4.Fuller's Earth	Bleaching Clay	Aluminum oxide, Silicon dioxide, Magnesium oxide	Absorb Excess Oil, Dirt, Leading to Clearer
5.Turmeric	Curcuma Longa	Curcumin Demethoxycurcumin Bisdemethoxycurcumin Turmerone	Reduce Dark Spot, Help Brighten Skin

### Name of instruments

1. **Mixing grinder:** To grind dried herbs like Bitter guard, sandalwood, aloe vera, fullers earth, turmeric into fine powder.
2. **pH Meter:** A pH meter is used to measure the acidity or alkalinity of the face pack mixture.
3. **Mortar and pestle:** For crushing and grinding smaller quantities of herbs manually.
4. **Sieve:** To ensure the powders are fine and lump-free for smooth application.
5. **Weighing scale:** To weigh herbs and powders for formulation in accurate proportion.
6. **Packaging equipment:** Fills the paste into tubes, jars or bottles without air bubbles.

### Formulation table

Ingredient	F1	F2	F3	F4
1.Bitter Guard Powder	50g	50g	50g	50g
2.Sandal Wood Powder	15g	20g	10g	21g
3.Aloe Vera Powder	15g	5g	5g	5g
4.Fuller's Earth	10g	10g	10g	5g
5.Turmeric	10g	5g	5g	5g



## Procedure

1. Weight accurately all herbal powder such as bitter gourd, turmeric powder, sandalwood powder, aloe vera powder.
2. Using a mortar and pestle, mix them until they are consistent.
3. Weigh accurately kaolin, fuller earth, turmeric powder, them together to form uniform mixture
4. After that, the powder is run through a sieve machine, and to create a consistent face pack drug powder, previously made herbal medication and triturate are added.

## Preformulation tests







### Qualitative analysis

Test	F1	F2	F3	F4
1.Tapped Density	77	1.30	1.21	1.24
2.Bulk Density	1.42	1.30	1.21	1.24
3.Angle of Repose	0.64	1.30	0.6	0.6
4.Carr's Index	0	0	0	0
5.Foam Test	Slightly Present	Slightly Present	Slightly Present	Slightly Present

### Morphological evaluation

Parameter	F1	F2	F3	F4
1.Color	Light Brown	Light Brown	Light Brown	Light Brown
2.Odour	Pleasant	Pleasant	Pleasant	Pleasant
3.Appearance	Smooth, Fine	Smooth, Fine	Smooth, Fine	Smooth, Fine
4.Texture	Fine	Fine	Fine	Fine
5.Smoothness	Smooth	Smooth	Smooth	Smooth

### Irritancy test

Parameter	F1	F2	F3	F4
Irritation	No	No	No	No
Redness	No	No	No	No
Swelling	No	No	No	No

Parameter	F1	F2	F3	F4
pH Test	6to7	6to7	6to7	6to7
Washability	Easily Washable	Easily Washable	Easily Washable	Easily Washable
Spredability	Easily Spread	Easily Spread	Easily Spread	Easily Spread

The future of herbal face packs looks highly promising due to the growing awareness and demand for natural, chemical-free skincare solutions. As consumers increasingly shift towards eco-friendly and sustainable beauty products, herbal cosmetics are gaining more popularity in both domestic and international markets. With people becoming more conscious of long-

term skin health, the use of organic and plant-based ingredients like turmeric, aloe vera, sandalwood, and neem is expected to rise significantly.

Research and innovation in herbal formulations are also expanding. There is potential for scientific validation and standardization of herbal recipes, improving their safety, efficacy, and shelf life. In addition, the herbal cosmetics industry is embracing modern packaging, branding, and marketing strategies that appeal to environmentally aware consumers. With advancements in green technology, production methods are becoming more sustainable, making herbal face packs even more attractive.

The scope also includes customized and skin-type-specific formulations, as well as integration with ayurvedic principles and dermatological science. With government support, increased funding for herbal research, and rising global exports, the herbal face pack industry is expected to grow rapidly, offering numerous opportunities for small entrepreneurs, beauty brands, and skincare startups.

## RESULT

The test results of the following test were positive. Such as pH, stability, spreadability and like tests.

## CONCLUSION

Herbal face packs provide a safe and natural way to improve skin health. They are free from synthetic chemicals and rich in essential nutrients.

The formulation ensures deep nourishment, detoxification, and skin brightening. The growing market scope highlights the need for more research and development.

### Expected outcomes

1. Natural and effective herbal face pack.
2. Good Cleansing
3. Free from harmful chemicals, safe for regular use.
4. Stability maintenance
5. Significantly reduce acne

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