

PREPARATION AND EVALUATION STUDY OF HERBAL COSMETIC FACE PACK RAW MATERIAL NATURAL SOURCE

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Article Received on
28 October 2022,

Revised on 18 Nov. 2022,
Accepted on 08 Dec. 2022,

DOI: 10.20959/wjpr202217-26492

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ABSTRACT

The goal of this project is to develop and test a herbal face pack for cosmetic use using herbs such as aloe vera, turmeric sandalwood, orange peel, rose water, e.t.c. that was obtained from the local market, dried, powdered, then geometrically mixed and evaluated for organoleptic and physicochemical, general powder, microscopical characters, and chemical evaluation. The combined dry powder exhibited satisfactory flow properties, making it ideal for use as a face pack. The microscopical characteristics of a dried powder in a mixed state were observed. Herbal face packs or masks are used to increase

blood circulation, rejuvenate muscles, and aid in the healing process. Herbal cosmetics have the benefit of being nontoxic, reducing allergic antiseptic properties reactions, and having many substances that have been proven effective. As a result, we discovered good qualities for face packs in our study, and additional optimization studies are needed to uncover the relevant benefits of face packs as cosmetic products for humans.

INTRODUCTION

Everyone aspires to have beautiful, pale skin. Acne, blackheads, pimples, and dark circles are all too common among today's youth. Skin issues are usually caused by blood pollutants, according to Ayurveda. Skin illnesses are caused by toxins accumulating in the bloodstream due to poor diet and lifestyle. Ayurveda prescribes a variety of herbs and treatments to purify the blood. Blood purifiers include herbs such as Multani mitti, turmeric, orange peel, sandalwood, aloe vera, and neem bark. In Ayurveda, "Mukha lepa" refers to a herbal paste that is applied to the face to heal acne, pimples, scars, markings, and pigments. "Mukha

Alpana" refers to the application of this herbal mixture on the face. A facial is a popular beauty treatment. The fine powder.^[1]

Women can get rid of wrinkles, dark bags, pimples, and acne by using the face packs suggested in Ayurveda. Herbal face packs improve skin's radiance and smoothness. We can get the most out of herbal face packs if we use them appropriately for our skin type. These face packs brighten the skin and are the best ayurvedic therapy for fairness. Face packs are one of the most ancient and attractive ways of skin cleansing. Ayurveda describes a variety of face packs that include feeding, healing, cleansing, astringent, and antiseptic effects. Face packs can be made at home using common household and kitchen ingredients. Herbal face packs are less expensive and have no adverse effects when it comes to naturally achieving fair skin. Herbs have been used for cleansing, beautification, and management since antiquity. Cosmetics are products used for washing, beautifying, enhancing attractiveness, or changing one's appearance. Smooth, vibrant, and silky skin can be achieved with homemade natural face packs and masks. Mukha leap is an ayurvedic herbal paste used to cure acne, pimples, scars, markings, and pigmentation on the face. The procedure of smearing a "Mukha Alpana".^[2]

The main use of face packs is to promote face glow, make the face attractive, reduce pigmentation, and clean the face skin promoting attractiveness. from ancient times, different herbs are used for cleaning the face and skin and managing them. This herbal face pack is used for reducing acne, skin whitening, preventing early signs of aging, removing makeup, reducing pigmentation, and preventing skin infection. The face pack is a fine, smooth paste that is used for facial application. This preparation is applied on the face in the form of a paste, giving tightening, strengthening, cleansing.



Uses of rose water for skin

- Helps soothes skin irritation.
- Soothes en sore throats.
- Reduce skin redness.
- Prevent and treat an infection.

Advantages of rose water

- Contain antioxidants.
- Heals cuts.

Disadvantages of rose water

- It may cause stinging.
- It causes burning.
- It irritates.

Evaluation of the Face Package

Evaluation of Organoleptic Properties- The nature, color, odour, feel, and consistency of the organoleptic criteria was manually assessed through examination of the body.

Microscopy was used to determine the particle size. The angle of Repose by funnel technique, bulk density, and tapped density by Tapping Method was used to evaluate the flow characteristics of the dried powder in mixed form.

Examination of the body

Microscopy was used to determine the particle size. The angle of Repose by funnel technique, bulk density, and tapped density by Tapping Method was used to evaluate the flow characteristics of the dried powder in mixed form.

Evaluation of Physicochemical Properties**The ashiest for irritability**

On the left-hand dorsal surface, draw a 1sq.cm area. A specific amount of prepared face packs was applied to the designated region, and the time was recorded. Irritation, erythema, and edema were assessed and reported at regular intervals up to 24 hours. concentration was determined using an incinerator, the pH was determined using a pH meter.

Stability tests

The obtained compound was tested for stability by storing it for a month at various temperatures. Physical criteria such as color, odor, pH, consistency, and feel were assessed in packed glass vials of formulation held at different temperatures such as room temperature, 350°C, and 400°C.

RESULT AND DISCUSSION

Organoleptic Evaluation

The face pack was made and tested for the organoleptic characteristics listed in Table 2. The flow property parameter indicated that the system was free-flowing. The formulation had a faint golden hue to it. The developed formulations have a pleasant odor, which is ideal for cosmetic formulations.

Texture and smoothness were satisfactory, which is ideal for cable

2: Organoleptic Properties

Sr. No.	Parameters	Observation
1	Appearance	Powder (Free Flowing)
2	Colour	Slight Yellow
3	Odor	Slight
4	Texture	Fine
5	Smoothness	Smooth

Irritancy Test

The results of the irritancy test were shown in Table 3. The formulation showed no irritation, redness, edema, and Inflammation during irritancy studies. This formulation is safe to use for the skin.

Table 3: Irritancy Test.

Sr. No.	Parameters	Observation
1	Irritant	No Irritation
2	Erythema	No Irritation
3	Edema	No Irritation

Description- sandalwood order of flowering plants consisting, of 8 families, 151 genera, and about 1,000 species all the families Santalales are parasitic to some degree attaching either to the roots or branches of their hosts.



Uses of sandalwood for skin

- Its oil helps nourish the skin.
- Its helps to reduce acne.
- It helps maintain the buoyancy and structure of the skin cells.
- Even skin tone or skin whitening.
- It uses in inflammation.
- It uses in eczema.

Advantages of sandalwood

- It is useful in digestion.
- It is used as a mouth freshener.
- Relieving the symptoms of anxiety and controlling various emotions like pleasure power.
- It is very useful for the skin.
- It is used in deodorants.
- It is used in lotions.

Disadvantages of sandalwood-

- Itching of the skin.
- Blood in the urine.
- Allergic skin reaction due to skin surface contact.

Orange peel powder-orange peel powder is an effective exfoliating agent that helps in removing blackheads and unclogging your pores. lightens dark spots if you are suffering from

acne scars, dark spots, or even pigmentation, orange peel powder's rich content of citric acid takes care of the issue.

Description- orange peel powder is rich in vitamin C and due to this, it removes many skin problems. Orange peel has many anti-bacterial properties, so it also eliminates the acne bacteria formed on the face. To make a paste, take a few spoons of orange peel powder and add a few drops of rose water to it.



Uses of orange peel powder for skin

- It helps to lighten and brighten the skin.
- It can hydrate and moisturize your skin.
- It aids in cleansing your skin and fighting acne.
- It helps in toning your skin.
- It prevents oxidative stress on your skin cells and keeps signs of ageing at bay.
- A potent vitamin c face mask.
- Cleansing and hydrating mask.
- Orange peel powder for hair.

Advantages of orange peel powder

- It aids in cleansing your skin and fighting acne.
- This one help hydrate our skin while making sure that our moisturization is preserved.
- It is a source of vitamin C.
- Remove sun damage.
- Get lustrous hair.

Disadvantages of orange peel powder

- Topical use of orange peel in individuals with a sensitive skin type can lead to irritation of the skin.
- Due to its tough texture and high fiber content, orange peel can be difficult to digest.
- Eating them, especially large pieces at a time, could cause stomach discomfort, such as cramps or bloating.

Neem bark-Neem bark powder from Athreya herbs is a rejuvenating ayurvedic supplement for skin health it contains a unique combination of bioactive compounds that support digestive and skin health. neem bark contains chemicals that might help reduce blood sugar levels.

Description-they includes various vitamins, minerals, flavonoids, Nimbi, Namibian other natural phytonutrients.

**Uses of neem bark for skin**

- Neem protects the skin from harmful UV rays.
- Neem protects the skin from pollution and other environmental factors.
- It is used to treat head lice, skin diseases skin ulcers.

Advantages of neem bark

- It is used in malaria.
- It is used for fever.
- It is used in many types of pain.
- It is used in pigmentation.

Disadvantages of neem bark

- Its serious side effects include vomiting, diarrhea, coma, brain, etc.

- Pregnancy and breastfeeding, neem bark is likely unsafe when taken by mouth during pregnancy.
- They can cause a miscarriage.

Aloe vera-A gelatinous substance obtained from a kind of aloe used especially in cosmetics to soften or smooth the skin. Aloe vera is a plant species of the genus aloe. Having some 500 species, aloe is widely distributed and is considered an invasive species in many world regions. An evergreen perennial, it originates from the Arabian but grows wild in tropical, semi-tropical, and arid climates around the world.

Description-the plant that yields aloe vera, grown chiefly in the Caribbean area and the southern US.

- Scientific name-Aloe vera
- Family-Asphodelaceae



Uses of aloe vera for skin

- It helps fight sunburn.
- It may help reduce stretch marks.
- It fights acne.
- It fights to age.
- Moisturize the skin.
- Heals sunburns and soothes the skin.
- Removes tan and dullness.

- Removes the early sign of aging.

Advantages of aloe vera-

- It contains a healthful plant compound.
- It has antioxidant and antibacterial properties.
- It accelerates wound healing.
- It reduces dental plaque.
- It helps treat cancer sores.
- It reduces constipation.

Disadvantages of aloe vera-

- Burning and itching of the skin.
- It may cause diarrhea.
- It may cause kidney problems.
- Muscle weakness and weight loss.
- Long-term use at high doses causes heart disturbance.
- It may cause liver problems.

Rose water-rose water is a flavored water made by steeping rose petals in water. Additionally, it is the hydrosol portion of the distillate of rose petals, a by-product of the production of rose oil for use in perfumes.

Description-rose water is a liquid made by steeping rose petals in water.

Main ingredients- rose water

Region or state-Asia and Europe

CONCLUSION

People today require a remedy for a variety of skin conditions that is free of negative effects. Herbal elements have made it possible to create cosmetics that are free of toxins. Herbal face packs are regarded as a long-term and effective method of improving skin's appearance. As a result, the current work is an excellent attempt to make a herbal face pack using naturally available materials such as turmeric, aloe vera, sandalwood, orange peel, and Rosewater. The created formulation was said to be physiochemically and microbiologically antiseptic properties stable, with properties similar to those found in a typical cosmeceutical skincare formulation.

Sandal wood-sandal wood is a class of wood from trees in the genus *Santalum*. The woods are heavy, yellow, and fine grained, unlike many other aromatic kinds of wood, they retain their fragrance for decades.

Sandalwood oil is extracted from the woods for use. Sandalwoods are often cited as one of the most expensive woods in the world.

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