



Formulation and Evaluation of Compact face pack for glowing skin

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ABSTRACT

The study focuses on the formulation and evaluation of a compact herbal face pack designed to enhance skin glow and maintain overall skin health. The formulation utilizes natural ingredients such as Neem, tulsi, red lentils, honey, rice which are known for their cleansing, exfoliating, and rejuvenating properties. The ingredients were blended in specific proportions to produce a fine, compact, and easy-to-use powder form that can be activated with rose water or milk before application. The prepared formulation was evaluated for various parameters including organoleptic characteristics, pH, spreadability, smoothness, irritancy test, and stability studies. The results indicated that the formulated face pack exhibited good homogeneity, pleasant fragrance, smooth texture, and an ideal pH suitable for all skin types. It was found to effectively remove excess oil, impurities, and dead cells, thereby improving skin brightness and softness. The study concludes that the developed compact face pack provides a safe, natural, and effective alternative to synthetic cosmetic formulations for glowing skin.

Keywords

Compact face pack, herbal formulation, glowing skin, neem, orange peel, sandalwood, multani mitti natural cosmetics, skin care, evaluation, stability study.

OBJECTIVE

AIM: Formulation and evaluation of compact face pack for glowing skin

OBJECTIVES:

- To formulate a natural/herbal-based face pack using safe and effective ingredients that enhance skin glow and texture.
- To optimize the composition of ingredients (such as clay, herbal powders, and humectants) for suitable consistency, spreadability, and ease of application.
- To perform microbiological testing to ensure the safety and quality of the formulation.
- To assess the antioxidant potential of the formulation to determine its skin-protective activity.
- To conduct skin irritation and patch tests to confirm dermatological safety.
- As due to increased pollution, allergy, microbe's etc. human skin has become more sensitive and prone to faster aging. An attempt has been made to synthesize a pack ideal for all skin types. After the synthesis, all the parameters have been calculated in order to meet up the quality standards.
- To formulate and evaluate a cosmetic preparation poly herbal face pack made from herbal ingredients.
- Compact face packs or masks are used to stimulate blood circulation, rejuvenates and help to maintain the elasticity of the skin and remove dirt from skin pores.
- To moisturize, cleanse, tone and rejuvenate your skin. Masks are designed for each skin and age type.

:INTRODUCTION

Cosmetics are intended to be applied over human body for cleansing, beautifying, decorating, promoting attractiveness, and/or altering the appearance of skin. Skin cosmetics act on the epidermis or outermost layers of skin without affecting the normal physiological properties of skin. [1.] These agents are incorporated on routine basis in various forms or types to intensify the beauty of skin. Generally cosmetics are used to prevent and reduce fine lines, wrinkles, aging, fight acne and to control excessive oil secretion by skin.[2]

Recently consumers focus towards their appearance has been increasing and so the use of cosmetic products has superiorly boosted. However, excessive use of synthetic cosmetic agents is adversely affecting human skin then it's said benefits thus, the demand for plant based herbal cosmetics is increasing due to its ability to cause less or even no harm and enriches the body with nutrients and other useful minerals. The term herbal cosmetics are based on incorporation of natural extracts from plants and animal origin as active ingredient in cosmetic products. These agents emphasize more on use of plant based green components which also encourages sustainable living. Since ancient era, phyto-chemicals or phyto-constituents obtained from natural source are commonly used as active constituents in topical preparations. The advantageous properties of these bioactive phyto-constituents used for manufacturing of topical preparations are likely to poses antioxidant, antiinflammatory, antimicrobial, antiaging, anticarcinogenic, UV protecting activity.³⁻

⁷ Dry and damaged skin is one of the most common conditions marked by scaling, itching, and cracking of skin, faced due to excessive water-loss from skin (dehydration), UV rays damage by sun and excessive screen time, hectic and unhealthy lifestyle, climate change, aging, use of medications or other factors. Such type of skin problem can be effectively overcome by using variety of skin care preparation like: moisturizers, creams, lotions, face pack, face scrub, oils, serums etc.

Face pack is fine powder or paste with smooth texture, supposed to be applied on facial skin as a thin layer and allowed to dry for few minutes, leaving behind a film which can be easily washed off with . Routine application of face pack exfoliates skin, removes dry and dead skin, provides soothing water, cooling, moisturizing and nourishing effects, and provides skin tightening, strengthening effects, based on type of formulation, also helps to remove dirt and grease from skin without actually altering the normal physiological functioning of skin. All of these effects help to rejuvenate skin which is an ultimate goal for use of cosmetic preparations. Based on requirement, use and type of different skin type's herbal face packs are used. Herbal face pack containing natural active ingredients helps to reduce acne, redness, pimples, wrinkles, and dark circles. Such preparations may also help to increase fairness while promoting skin nourishing and soothing effects.

Generally an herbal face pack should provide necessary nutrients and vitamins to skin while penetrating into subcutaneous tissues and outermost layers of skin without actually altering the normal physiology of skin. Present research work aimed to formulate and evaluate poly herbal face pack to promote nourishment and glow of skin by using natural materials like multani mitti (Fullers Earth), sandalwood, orange peel, and neem leaves. The face pack can also be used as scrub to remove dried, dead and flecky skin. Face packs are basically additives delivering some additional benefits. Different types of herbal face packs are used for different types of skin. Herbal face packs are helps to reduce wrinkles, pimples, acne and dark circles. Also increase the fairness and smoothness of skin. It also helps someone to boost their confidence.

Face packs with Natural constituents are rich in vital vitamins that are Essential for the health and glow of the skin. These Substances have been proven to be beneficial for skin in Many ways. Natural facial packs are easy to use. They Increase the circulation of the blood within the veins of the Face, thereby increasing the liveliness of the skin. A Good herbal face pack must supply necessary nutrients to the skin, available in the form of free-flowing powder applied facially for the external purpose. It should penetrate Deep down the subcutaneous tissues to deliver the required Nutrients. Every type of skin is specific for the requirement Of skin pack. Nowadays different types of packs are Available separately for the oily, normal and dry skin. Face Packs are used to increase the fairness and smoothness of The skin. It reduces wrinkles, pimples, acne and dark circles Of the skin. Face packs which are recommended for oily Skin prone to acne, blackheads, usually control the rate of Sebum discharge from sebaceous glands and fight the Harmful bacteria present inside acne lesion. The leftover Marks of skin can be reduced by incorporation of fine Powders of sandalwood, rose-petals and dried orange peels. Herbal face packs are nowadays being used on a large Scale, due to the various

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 the ancient t different rent herbs are used for cleaning face skin and managing them. This herbal face pack is used for reducing acne, skin whitening, preventing early signs of aging, removing makeup, reducing pigmentation preventing events in skin faction. The face pack is a fine, smooth pair that are used for facial application. This preparation is applied on the face in the form of a paste tightening and strengthening thing the cleansing effect on the face skin. The face pack is the best Ayurveda therapy to increase the whitening and fairness of the skin. This is one of the bygone methods of the reduce oiliness and cleansing skin. There are many types of face packs present like an antiseptic face pack, anti-aging face pack, and anti-acne face pack, for glowing and whitening skin. This face pack can easily be prepared at home and have many nature property. This face pack has all natural ingredients, which are very useful and important for the skin. A face pack is applied to the skin for external purposes. Ingredients used in this face pack are non-toxic, non-allergic, totally natural, and have a large shelf life. There is no preservative added in this formulation. This will be applied to the external part of the skin.

Anatomy of THE SKIN –

Skin is categorized into three layers-

- 1-Epidermis
- 2-Dermis
- 3-3-Hypodermis

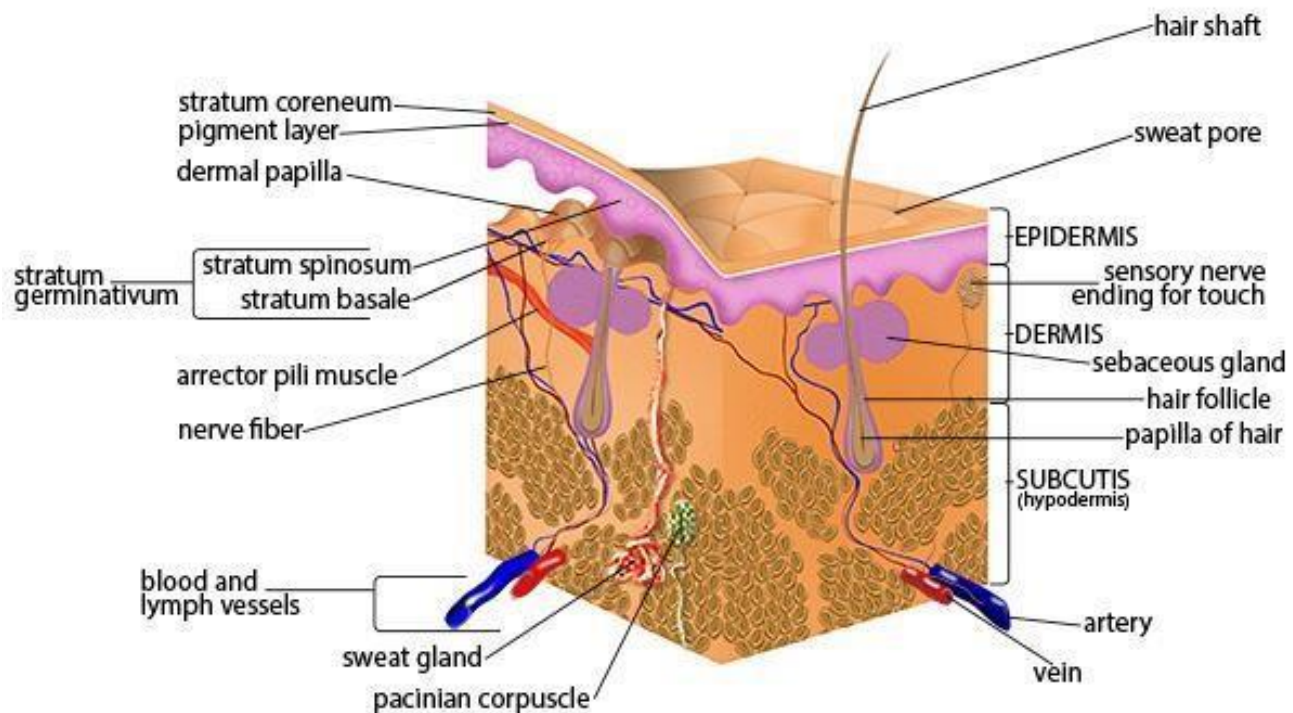


Fig1: Structure of skin

Epidermis: Epidermis is the outermost layer of skin on your body. It protects your body from harm, keeps your body hydrated, produces new skin cells and contains melanin, which determines the color of your skin.

Dermis: This is the inner layer of the skin. The dermis has connective tissue, blood vessels, hair follicles, and other structures. It is made up of a thin layer called the papillary dermis and a thick lower layer called the reticular dermis.

Hypodermis: This is also called the subcutaneous layer. It provides the main structural support for the skin, as well as insulating the body from cold and shock absorption. It is interwoven with blood vessels and

Skin Physiology:

The largest organ in the body, the skin accounts for over 15% of the total weight of the body. Among its many vital functions are defence against external physical, chemical, and biological threats, preventing water loss from the body, and aiding in thermoregulation. The skin is the outermost layer of our body that protects our proteins from heat, light, bacteria, and injury. It is the largest organ in the body, storing fat, water, and vitamin D, which is essential for human health, as well as regulating body temperature. Dullness, play dissonance, and wrinkles that are taken for consideration as real problems. The skin helps regulate body temperature, shields the body from germs and the elements, and allows us to experience touch, warmth, and cold.

Skin Structure:

The outermost layer of skin, the epidermis, provides a waterproof barrier and determines our skin tone. The dermis, which lies beneath the epidermis, is rich in hair follicles and connective tissue.

1. The stratum spinosum, or layer of thorny cells: Sporadic, polyhedral cells with cytoplasmic forms—sometimes referred to as "spines"—are found in 8-10 cell layers, sometimes referred to as the prickle cell layer. These cells amplify outward and make contact with nearby cells by desmosomes. This layer contains dendritic cells.
2. The stratum germinativum, also known as the bottom layer, is the deepest layer. Hemidesmosomes connect it to the stratum corneum, which separates it from the dermis. This layer contains cuboidal to columnar stem cells that are constantly producing keratinocytes through mitosis. Melanocytes are also present in this stratum.
3. The dermis: The deeper layer between the epidermis and the oily subcutaneous layer is called the dermis. It is composed of connective tissues that contain collagen and elastin strands, with a small number of cells such as fibroblasts, macrophages, and adipocytes. The subcutaneous layer is located deep within the dermis.

LITERATURE REVIEW

Dr. Prachi Udupurkar (2023)

The aim of this work is to formulate and evaluate an herbal face pack for glowing skin by using natural herbal ingredients. The natural herbal ingredients such as multani mitti, turmeric, sandalwood, saffron, milk powder, rice flour, orange peel were purchased from local market in the form of dried powder. Thus, in the present work, we formulated a herbal face pack which can be easily made with the easily available ingredients. After evaluation, we found good properties for the face packs, free from skin irritation and maintained its consistency even after stability storage conditions.

Swapnali Tanaji Palave (2025)

The aim of present study is to formulate and evaluate an herbal face pack for glowing skin by using natural herbal ingredients. The vast majority of cosmetics available on the market are synthetic and can cause a number of harmful side effects if worn for an extended period of time. One solution to this problem is the use of herbal cosmetics. Multani mitti, turmeric, orange Peel, rose water, neem, nutmeg, aloe vera gel, etc all of these collected at home and Prepared in dry powder form. The powder of banana peel was prepared by Shade drying commercially, all powdered natural ingredients were sieved using #80mesh, weighed accurately Therefore, we created a herbal facepack in this study that is simple to make using readily available substances.

Ramakrishna S (2021)

Formulation and Evaluation of Herbal Face Pack, Everybody wants to get a fair and charming skin. Now a day, acne, black heads, pimples are common among persons who suffer from it. According to Ayurveda, skin problems are normally due to impurity in blood. Herbal face packs are used to simulate blood circulation, rejuvenate the muscles and help to maintain the elasticity of the skin and remove dirt from skin pores. The advantage of herbal cosmetics is their non toxic nature, reduce the allergic reactions and time tested usefulness of many ingredients. Thus in the present work, an attempt has been made in formulating an ideal face pack suitable for all skin types.

T. Swetha reddy(2021)

Ayurvedic formulation of herbal face pack to treat blemishes, The main objective of this study to develop a herbal face pack for blemishes using herbal ingredients. By altering the concentrations of various ingredients ten different formulations were prepared by using sandalwood, aloe Vera, turmeric, neem, orange peel, cucumber extract, lotus petals powder and tea tree leaves powder, kaolin and calcium bentonite are used to prepare a herbal face pack. Prepare the formulations and evaluate by using different parameters such as organoleptic properties, physico-chemical parameters, stability studies, skin irritation test and microbial load. This present studies, shows good properties of the face packs, and further the optimization studies.

Ravindra Kalyan Narwade(2024)

Formulation and Evaluation Herbal Face Pack Powder For Glowing Skin, The aim of this work is to formulate and evaluate an herbal face Pack for glowing skin by using natural herbal ingredients. The natural Herbal ingredients such as Gram Flour, Rice flour, charcoal powder, Arjuna Powder, Lemon peel Powder, Nutmeg, Turmeric, Aloe Vera were purchased from local market in the form of dried powder. All Powdered natural ingredients were sieved using #120 mesh, weighed Accurately and mixed geometrically for uniform formulation and then Evaluated for parameters including Organoleptic, physicochemical, Physical, phytochemical, irritancy along with stability examination. The Dried powder of combined form had passable flow property which is Suitable for a face pack. Herbal face packs or masks are used to stimulate Blood circulation, rejuvenates the muscles and help to maintain the Elasticity of the skin and remove dirt from skin pores. In this study it is Concluded that all the formulations of face packs found to be good in Physical parameters, free from skin irritations so we found good properties For the face packs and further optimization studies are required on this Study to find the useful benefits of face packs on human use as cosmetic Product.

Amit Giram(2024)

Formulation and evaluation of herbal face pack for glowing skin, The aim of this work is to formulate and evaluate an herbal face pack for glowing skin by using natural herbal Ingredients. The natural herbal ingredients such as multani mitti, turmeric, sandalwood, saffron, milk powder, rice flour, Orange peel were purchased from local market in the form of dried powder. The powder of banana peel was prepared by Shade drying commercially, all powdered natural ingredients were sieved using #120 mesh, weighed accurately and mixed Geometrically for uniform formulation and then evaluated for parameters including morphological, physicochemical, Physical, phytochemical, along with stability examination. Thus, in the present work, we formulated a herbal face Pack which can be easily made with the irritancy easily available ingredients. After evaluation, we found good properties for the Face packs, free from skin irritation and maintained its consistency even after stability storage conditions. Results of the Study scientifically verified that herbal face pack having enough potential to give efficient glowing effect on skin. The Overall study is useful to substantiate product claims due its useful benefits on the human beings.

Rutuja Siddhanath Pol(2024)

The rising consumer preference for natural and sustainable skincare solutions has propelled significant interest in the development of herbal face packs. This research focuses on the preparation and evaluation of a herbal face pack formulated using natural ingredients renowned for their therapeutic properties. The study explores the selection of herbs based on their traditional use and scientific evidence of efficacy in skin health, including ingredients like turmeric, neem, sandalwood, and aloe vera. The face pack formulation process involved optimizing the ingredient proportions to achieve a stable and effective product. Comprehensive evaluations were conducted to assess the face pack's physicochemical properties, safety, and efficacy in improving skin texture, hydration, and overall appearance. Results indicated significant

improvements in skin parameters with minimal adverse reactions, highlighting the potential of herbal formulations as viable alternatives to synthetic skincare products.

Mayur Bhangale(2025)

Formulation and evaluation of herbal face pack for radiant skin, The aim of this work is to formulate and evaluate an herbal face pack for glowing skin by using natural herbal ingredients. Everybody wants to get a fair and charming skin. Now a day, acne, black heads, pimples are common among persons who suffer from it. According to Ayurveda, skin problems are normally due to impurity in blood. Herbal face packs are used to simulate blood circulation, rejuvenate the muscles and help to maintain the elasticity of the skin and remove dirt from skin pores. The advantage of herbal cosmetics is their non toxic nature, reduce the allergic reactions and time tested usefulness of many ingredients. Thus in the present work, an attempt has been made in formulating an ideal face pack suitable for all skin types. The face pack were prepared and evaluated for various parameters like color, appearance, pH, consistency, wash ability, antimicrobial activity. Herbal face packs or masks are used to stimulate blood circulation, rejuvenates them muscle and help to maintain the elasticity of the skin and removes dirt from skin pores. Thus in the present work, we found good properties for the face pack. Majority of the cosmetic products available in market are of synthetic origin and causes numerous side effects when used for longer period of time. One of the solutions for this problem is use of herbal cosmetics. Herbal cosmetics are considered safe for routine use with minimal side effect

Dhananjay Abhang(2025)

Natural remedies are more popular because it is belief that they are safe and have fewer side effects than synthetic treatments. There is a growing demand for herbal preparations in the commercial world. Therefore, the main aim of our work is to develop and evaluate facial cosmetics for radiant skin using natural ingredients. Four different formulas with different variations include ingredients like multani mitti, turmeric, aloe vera powder, starch, methi powder, coffee powder, hibiscus powder, rose powder and red gram; were prepared and named F1 to F4. All preparations were evaluated according to variables such as organoleptic properties, physicochemical parameters, stability as well as irritation and microbial load tests. Among all formulations, F4 has been shown to be physically harmless, does not irritate the skin, maintains its consistency even in a stable environment, and is also microbiologically stable.

PLAN OF WORK

1. Literature Review

Study herbal cosmetics and face pack formulations

Review properties of ingredients like Multani mitti, turmeric, neem, etc.

Collect information from pharmacognosy and cosmetic science books/journals

2. Selection of Ingredients

Choose suitable natural ingredients based on:

Skin benefits

Availability

Safety and compatibility

3. Procurement of Materials

Purchase raw materials from reliable sources

Ensure quality and purity of ingredients

4. Pre-formulation Studies

Evaluate raw materials for:

Organoleptic properties (color, odor, texture)

Particle size

Compatibility

5. Formulation Development

Accurately weigh all ingredients

Powder and sieve (if needed)

Mix uniformly using geometric dilution

Prepare compact form using molds or compression

6. Evaluation of Formulation

A. Physical Evaluation

Color, odor, texture

B. Physicochemical Tests

pH

Moisture content

Ash value

C. Performance Tests

Spreadability

Washability

Drying time

Irritancy test

7. Stability Studies

Store samples at different conditions:

Room temperature

Elevated temperature

Observe changes over time

8. Data Recording and Analysis

Record all observations systematically

Compare results with standard values

9. Result and Discussion

Interpret evaluation results

Discuss effectiveness and stability

10. Conclusion

Final outcome of formulation

Suitability for glowing skin

: MATERIAL, METHOD AND PREPERATION

Present research article deals with the formulation And evaluation of herbal face pack for glowing skin by Using natural ingredient i.e., multani mitti, turmeric,Sandalwood, saffron, milk powder, rice flour and orange Peel. They were purchased from local market in the form of Dried powder. The details of the natural ingredient used for the Formulation of herbal face pack are mentioned below

INGREDIENTS:

1)MULTANI MITTI:



Fig 2:Multani Mitti

Common Name: Multani Mitti (Fuller's Earth)

Description: Multani Mitti is a type of clay that is rich in minerals such as silica, magnesium, and calcium. It is known for its absorbent properties and has been used for centuries in traditional skincare and beauty treatments. Multani mitti helps skin by different ways like Diminishing pore sizes, removing blackheads and Whiteheads fading freckles, soothing sunburns, cleansing Skin, improving blood circulation, complexion, reducing Acne and blemishes and gives a glowing effect to a skin as They contain healthy nutrients. Multani mitti is rich Magnesium chloride. They also provide the Appearance of glowing skin because they are rich in vital Nutrients. Magnesium chloride is abundant in Multani Mitti.

Multani mitti helps skin by different ways like diminishing pore sizes, removing blackheads and whiteheads fading freckles, soothing sunburns, cleansing skin, improving blood circulation, complexion, reducing acne and blemishes and gives a glowing effect to a skin as they contain healthy nutrients. Multani mitti is rich magnesium chloride.

Human skin has become more sensitive and prone to faster aging as a result of greater pollution, allergy, microbes, etc. An effort has been made to synthesize a pack ideal for all skin types. All the parameters have been calculated after the synthesis to satisfy the quality standard. Multani mitti helps skin in a number of ways, such as reducing pore size, eliminating whiteheads and pimples, blurring spots, reducing sunburns, cleansing the skin, increasing blood flow, enhancing complexion, and reducing blemishes and acne.

Key Properties

- **Absorbent:** Draws out impurities and excess oil from the skin
- **Exfoliating:** Gently removes dead skin cells and smoothens skin texture
- **Cooling:** Provides a soothing and calming effect on the skin
- **Mineral-rich:** Nourishes the skin with essential minerals

Uses

- **Skincare:** Treats acne, blackheads, and oily skin; improves skin texture and tone
- **Face masks:** Used as a face mask ingredient to deep clean and nourish the skin
- **Body wraps:** Used in body wraps to detoxify and soften the skin

2)SANDALWOOD:



Fig 3 : Sandalwood

Common Name: Chandan(*Santalum album*)

Description: Sandalwood is a highly valued, aromatic tree known for its fragrant heartwood and essential oil. The tree's wood and oil have been used for centuries in traditional medicine, perfumery, and skincare. Sandalwood has an anti-tanning and anti-aging property. It also helps skin in many ways like toning effect, emollient, antibacterial properties, cooling astringent property, soothing and healing property Sandal wood has an anti-tanning and anti-aging property. Sandalwood protects the skin against the impact of environmental pollution and keep the skin cool, fair and healthy. Sandalwood is helpful Ayurvedic herb with antimicrobial properties is used for healing various skin problems and removes scars. Sandalwood is a class of woods from trees in the genus *Santalum*. The woods are heavy, yellow, and fine-grained, and, unlike many other aromatic woods, retain their fragrance for decades.

Sandalwood powder is enriched antioxidants, antimicrobial activity that helps to maintain the structure of the skin cells intact. It also reduces dryness and replenishes the moisture, while increasing elasticity of skin. Due to the rich antioxidant component, sandalwood can help prevent wrinkles by fighting free radical formation. Also shows skin protective action and protect skin against environmental damage, helps to maintain skin healthy and cool.

Key Properties

- **Anti-inflammatory:** Soothes and calms the skin
- **Antimicrobial:** Effective against bacteria and other microorganisms
- **Astringent:** Helps to tone and tighten the skin
- **Aromatic:** Distinctive, calming fragrance

Uses

- **Skincare:** Treats acne, reduces inflammation, and promotes healthy skin
- **Aromatherapy:** Promotes relaxation, reduces stress and anxiety
- **Perfumery:** Highly prized for its fragrance in perfumes and fragrances.

• **Traditional Medicine:** Used to treat various health issues, including digestive problems and skin conditions

3) NEEM:



Fig 4: Neem

Common name:Neem(*Azadirachta indica*)

Description: The evergreen, multipurpose neem tree is wellknown for its agricultural and medicinal uses. Compounds having antibacterial, anti-inflammatory, and insecticidal qualities can be found in its leaves, seeds, and bark. Due to its anti-inflammatory and antibacterial properties, neem is very helpful for oily and acne-prone skin. Numerous chemical components have antibacterial, anti-inflammatory, and antioxidant qualities that have an anti-acne effect.

Neem, scientifically known as *Azadirachta indica* and belonging to the Meliaceae family, is an evergreen tree native to India and also found in tropical regions of Burma, South Asia, and West Africa. Here are some key attributes and uses of neem. **Chemical Composition** Neem leaves contain several chemical compounds such as nimbin, nimbandiol, hydroxyazadiradione, and ascorbic acid, among others. **Medicinal Properties** Neem leaves and their powder are renowned for their medicinal properties. They exhibit anti-cancer, anti-inflammatory, and antiseptic properties. **Skin Benefits** Neem is particularly beneficial for oily and acne-prone skin due to its potent antibacterial and anti-inflammatory actions. It is commonly used in anti-acne treatments to cleanse and soothe the skin.

Key Properties

- **Antimicrobial:** Effective against bacteria, fungi, and viruses
- **Anti-inflammatory:** Reduces inflammation and soothes skin conditions
- **Insecticidal:** Natural pesticide properties - **Antioxidant:** Protects against oxidative stress

Uses

- **Skincare:** Treats acne, eczema, and other skin conditions
- **Haircare:** Promotes healthy hair growth and reduces dandruff
- **Agriculture:** Natural pesticide and fertilizer
- **Traditional Medicine:** Used to treat various health issues, including digestive problems and infections

4)ORANGE PEEL:



Fig 5:Orange peel

Common name:Orange peel(citrus sinensis)

Description:Orange peel is a covering of citrus fruit which Contains different nutritional source such as vitamin C, Calcium, potassium and magnesium. It prevents the skin From free radical damage, skin hydration and oxidative stress.Also it has instant glow property, prevent acne,Blemishes, wrinkles and aging.Orange peel powder contains Vitamin C which helps to form collagen and elastin which is the secret to beautiful skin. It makes your skin look youthful and bright. It improves oily skin and makes the skin soft, smooth and firm. It helps unclog pores and reduces blackheads. It reduces pigmentation, acne, marks, and scars on the face. It helps even and lightens the skin tone. It works as a natural cleanser, astringent, scrub, moisturizer and toner. It contains antioxidants which slow down wrinkles, sagging and skin aging. It helps reduce inflammation and shrinks pores. It gives off a rejuvenating scent which when added to water for a bath keeps you feeling fresh for hours.

Key Properties

- **Skin Brightening & Pigmentation Reduction:** Contains citric acid, which acts as a natural bleach to fade dark spots, acne scars, and even out skin tone.
- **High Antioxidant Content:** Rich in Vitamin C and flavonoids, it fights free radicals, reducing oxidative stress and slowing down the aging process.

- **Antibacterial & Anti-inflammatory:** Helps combat acne-causing bacteria and soothes skin inflammation, making it effective for acne-prone skin.
- **Natural Exfoliation & Pore Cleansing:** The fine, fibrous texture acts as a gentle, natural exfoliant that removes dead skin cells, unclogs pores, and removes impurities.

Uses:

- **Skincare:** Used in face masks, packs, and scrubs to achieve a brighter, tighter, and cleaner complexion.
- **Haircare:** Known to help reduce dandruff and soothe the scalp.
- **Culinary:** Used as a natural flavoring agent in baking, teas, and beverages, notes

CEVALUATION PARAMETER

1) Organoleptic Evaluation

A number of organoleptic characteristics, including colour, Odour, look, texture, and consistency, were assessed for the Prepared face pack. The senses of touch and sensation were Used to evaluate colour, smell, and texture visually.

2) Washability

It was determined how easily a formulation could be wiped Off. After applying a face pack, the skin was carefully Examined to see how easily and thoroughly it could be Washed with regular tap water.

3) Physicochemical evaluation

Physicochemical parameters were determined, Including the determination of extractive value, ash value, pH and moisture content.

4) Physical evaluation

The particle size was tested by microscopy Method. The flow property of the dried powder of Combined form was evaluated by performing Angle of Repose by funnel method, bulk density and tapped density By Tapping Method.

5) Irritancy test

Mark an area (1sq.cm) on the left-hand dorsal Surface. Definite quantities of prepared face packs were Applied to the specified area and time was noted. Irritancy, Erythematic, edema, was checked if any for regular Intervals up to 24 hrs and reported.

6) Stability studies

Stability testing of prepared formulation was Conducted by storing at different temperature conditions for The period of one month. The packed glass vials of Formulation stored at different temperature conditions like, Room temperature and 40C and were evaluated for physical Parameters like color, odour, pH, consistency and feel

RESULT AND DISCUSSION**Results:**

The formulated compact herbal face pack was evaluated for various parameters, and the results are summarized below:

1. Organoleptic Evaluation

Sr	Parameter	Observation
1	Color	Light brown
2	Odor	Pleasant, characteristic herbal
3	Texture	Smooth and fine
4	Appearance	Uniform, free from lumps

2. Physicochemical property

Sr	Parameter	Result
1	PH	6.5
2	Moisture content	Low
3	Particale size	Fine and uniform

3. Irritancy Test

No redness, itching, or irritation observed

Found safe for topical application

4. Washability

Easily washable with normal water

No residue left on skin

5. Spreadability

Good spreadability

Forms uniform layer on skin

6. Stability study

Sr	Condition	Observation
1	Room temperature	No change
2	Elevated temperature	No significant change
3	After 1 month	Stable

Discussion

The present study focused on the formulation of a compact herbal face pack using natural ingredients known for their skin-enhancing properties. The organoleptic evaluation showed that the formulation had a pleasant odor, smooth texture, and uniform appearance, indicating good patient acceptability. The absence of lumps and coarse particles suggests proper sieving and mixing. The pH of 6.5 is close to the natural skin pH, which indicates that the formulation is skin-friendly and unlikely to cause irritation or dryness. Maintaining an appropriate pH is crucial for preserving skin barrier function. The low moisture content contributes to improved stability and prevents microbial growth, thereby enhancing shelf life. Fine particle size ensures better adhesion to the skin and improved performance. The irritancy test results confirmed that the formulation is safe for topical application, as no adverse reactions were observed. This supports the use of herbal ingredients as safer alternatives to synthetic chemicals. The good spreadability ensures ease of application and uniform coverage, which is essential for effective action of the face pack. Additionally, the formulation exhibited excellent washability, making it convenient for regular use. The stability studies indicated that the formulation remained stable under different storage conditions without significant changes in physical properties. This suggests that the product has good shelf stability. Overall, the combination of ingredients such as multani mitti, neem, sandalwood, and orange peel contributed to cleansing, antibacterial action, and skin brightening effects. Regular use of the face pack may help in improving skin texture and imparting a natural glow.

SUMMARY AND CONCLUSION

SUMMARY

This study focuses on the development and evaluation of a compact face pack formulated using natural and skin-beneficial ingredients aimed at enhancing skin glow and overall complexion. The objective was to create a stable, easy-to-use, and effective cosmetic product suitable for regular skincare. The formulation of the compact face pack included ingredients such as multani mitti (Fuller's earth), sandalwood powder, and other herbal components known for their cleansing, anti-inflammatory, and skin-brightening properties. These ingredients were carefully selected based on their traditional use and dermatological benefits. The powders were blended in appropriate ratios and compressed into a compact form to improve convenience, portability, and application.

The prepared face pack was evaluated for various physicochemical and performance parameters. These included organoleptic properties (color, odor, texture), pH, particle size, spreadability, washability, and stability under different storage conditions. Skin irritation tests were conducted on volunteers to ensure safety and compatibility with different skin types. The results indicated that the formulated compact face pack exhibited good stability, acceptable pH suitable for skin application, and satisfactory spreadability and cleansing action. No significant skin irritation or adverse reactions were observed during testing. Regular use of the face pack showed visible improvement in skin brightness, smoothness, and overall appearance.

In conclusion, the study successfully developed a compact herbal face pack that is safe, effective, and user-friendly. It offers a natural alternative to synthetic cosmetic products and demonstrates potential for commercial application in the skincare industry.

CONCLUSION

Natural remedies are more acceptable in the belief that they are safer with fewer side effects than the synthetic ones. Herbal formulations have growing demand in the world market. Herbal face packs are used to stimulate blood circulation, rejuvenate the muscles and help to maintain the elasticity of the skin and remove dirt from skin pores. It is an our good attempt to formulate the herbal face pack containing natural herbal ingredients such as multani mitti, sandalwood, orange peel and neem powder. After evaluation, we found good properties for the face packs, free from skin irritation and maintained its consistency even after stability storage conditions. It has been revealed that herbal face pack having enough potential to give efficient glowing effect on skin. The overall study is useful to substantiate product claims due its useful benefits on the human beings. Herbal ingredients opened the way to formulate cosmetics without any harmful effect. Herbal face packs are considered as sustaining and productive way to advance the appearance of skin.

: REFERENCE

1. Harry's Cosmeticology, 8th Edition, Chemical Publishing Company, New York.
2. Poucher's Perfumes, Cosmetics and Soaps, 10th Edition, Springer Publications.
3. Remington: The Science and Practice of Pharmacy, 21st Edition, Lippincott Williams & Wilkins. Indian Pharmacopoeia.
4. Government of India, Ministry of Health and Family Welfare. World Health Organization. Guidelines on Good Manufacturing Practices (GMP) for Herbal Medicines, WHO Press, Geneva.
5. International Journal of Cosmetic Science. Various articles on herbal cosmetic formulations. Journal of Herbal Medicine.
6. Research papers on herbal face packs and skin care.
7. Textbook of Cosmetics, Wiley-Interscience Publicationn.
8. . Srinivasan VV, Sivaramakrishan VR, Rangaswamy CR, et al. Sandal (Santalum album L.). ICFRE, Dehra Dun; 1992.
9. Siddhiqi MA. Format for the pharmacopoeial analytical standards of compound formulation. Workshop on Standardization of Unani Drugs, Central Council for Research in Unani Medicine; New Delhi; 1995.
10. World Health Organization. Quality control methods for medicinal plant materials. Geneva: WHO; 1992. <http://www.who.int/iris/handle/10665/63096>
11. Banchhor M, Ashawat MS, Saraf S. Herbal cosmetics: trends in skin care formulation. Pharmacogn Rev. 2009;3(5):82-9.
12. Mandeep S, Shalini S, Sukhbir LK, Ram KS, Rajendra J. Preparation and evaluation of herbal cosmetic cream. Pharmacologyonline. 2011;2:1258-64.
13. Shoba rani R; Hiremanth. Text book of Industrial pharmacy, Drug delivery systems & Cosmetics & Herbal drug technology: Universities press (India) Ltd; 2nd Edition.

14. Okereke JN, Udebuani AC, Ezeji EU, Obasi KO, Nnoli MC. Possible Health Implications Associated with Cosmetics: A Review, *Sci J Public Health* 2015; 3(5-1): 58-63.
15. Mary P. Lupo. Antioxidants and Vitamins in Cosmetics. *Clin Dermatol* 2001; 19: 467–473.
16. Millikan, Larry E. Cosmetology, Cosmetics, Cosmaceuticals: Definitions and Regulations. *Clin Dermatol* 2001; 19 (4); 371-374.
17. Rieger MM. Harry's Cosmeticology. In: Chapter 23, Face, Body & Hair Masks & Scrubs. 8th ed Vol I New York: Chemical Publishing Co., Inc.; 2009. p. 471-483.
18. Rani, S. R. and Hiremanth, Text book of Industrial pharmacy, Drug delivery systems & Cosmetics & Herbal
19. Rani S, Hiremanth R. Formulation & Evaluation of Poly-herbal Face wash gel. *World J Pharm Sci* 2015; 4(6): 585-8.
20. Sowmya KV, Darsika CX, Grace F, Shanmuganathan S. Formulation & Evaluation of Poly-herbal Face Wash gel. 4(6): 585-588. *World J Pharm & Pharma Sci* 2015; 4(6): 5858.
21. Ashawat MS, Banchhor M. Herbal Cosmetics Trends In skin care formulation. *PharmacognRev* 2009; 3(5): 82-9
22. Kanlayavattanakul M, Lourith N, Therapeutic agents And herbs in topical application for acne treatment *IntJ Cosmet Sci* 2011; 33(4): 289-97.
23. Chanchal D, Swarnlata S. Herbal photoprotective Formulations, and their evaluation. *Open Nat Prod J* 2009; 2: 71-6.
24. Mithal BM, Saha RN. A Hand book of cosmetics 2nd]
25. Hwang JK, Shim JS, Gwon SH, Kwon YY, Oh HI et Al. Novel use of Panduratin derivatives or extract of *Kaempferia pandurata* comprising the same. U.S. Patent 0065272A1, 2012.