

SVGM.GOV.T.DEGREE COLLEGE
KALYANADURG
WOMEN EMPOWERMENT CELL

STUDENT STUDY PROJECT
ON
PREPARATION OF HERBEAL DYE
FROM
LAWSONIA INERMIS PLANT LEAVES

PREPARED BY: WOMAN STUDENTS III BSC

SVGM.GOV.T.DEGREE COLLEGE

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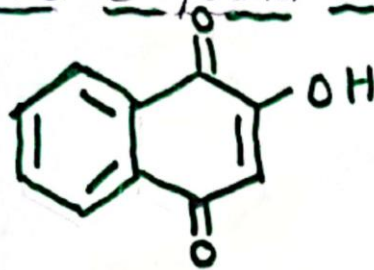
LECTURER IN CHEMISTRY



PREPARATION OF HERBAL DYE FROM LAWSONIA INERMIS

Lawsonia inermis are all so called "henna tree". The leaves are the source of a "reddish-brown dye" is known as henna. which is commonly used for temporary body art and to dye fabrics.

"Activated Compound in Lawsonia."



The leaves of the henna plant contain a natural and effective colouring pigment "Lawsonone".

This orange/red dye releases as the leaves are crushed.

The Lawsonone dye molecules actually colour the hair and skin by safely binding to their protein molecules.

Preparation of hair dye :-

Ingredients :-

- 1) Henna powder
- 2) Shikakai powder
- 3) Tea or coffee decoction
- 4) Curd
- 5) Lemon juice.

Lasonia Leaves



Herbal dye from Lasonia Leaves



Procedure :

Mix two tablespoons of henna and one tablespoon of Shikakai powder with a sufficient amount of tea decoction or coffee powder instead of water brewed to make a paste. Let this paste mix with brewed coffee or tea add a tint of colour brown. Sit overnight and in the morning, add one egg and a tablespoon of curd, and add one tablespoon of lemon juice.

Apply this mixture all over the hair and scalp and wash it off with luke warm water after 40 to 45 min.

Tea or coffee decoction used for natural brown colour of hair. Lemon juice is increase the colour dark.

Preparation of health benefits uses of Lawsonia:

- 1) Hair Colour
- 2) Hair Health.
- 3) Might reduce hair loss
- 4) Might improve the nail quality
- 5) May have Anti-aging properties
- 6) Might heal wounds
- 7) Might reduce fever
- 8) Might be Anti-inflammatory
- 9) May reduce sleep issues
- 10) Detoxification.

Health - Benefits and Uses :-

Let's take a more in-depth look at the many potential health benefits and uses of henna.

1) Hair Colour :-

Henna is mainly used as a plant-based natural dye for hair. It will dye hair red or shades of it but many use it with a combination of indigo or Cassia to achieve a dark red or a neutral colour respectively.

2) Hair Health :-

Although most people associate henna's effect on the hair with dyeing its colour, it might play many roles in that part of our body too. Henna may increase the strength of the hair and, therefore, can represent a safe dye that doesn't permanently affect the health of our follicles. It might help seal the hair cuticle, preventing breakage, and increasing the shine and the appearance of the hair. It might also help prevent dandruff.

3) Might Reduce Hair Loss :-

For people suffering from hair loss or baldness, henna might inhibit this from happening. The traditional mixture is putting henna juice or oil into curds and then mixing this into your hair, as it might increase.

4) Might Improve the Nail Quality :-

People often forget about maintaining healthy nails but the Cuticles and space under the nails are prime locations for infection and bacteria presence; therefore, treatment your nails with henna might be a wise choice. Drinking the water in which leaves have been steeped may help prevent nails from cracking and might reduce Inflammation.

Applying a poultice directly to the nail beds might clear up irritation, pain, and infection in the nail beds.

5) May have Anti-aging properties :-

Although the antioxidant capacity of henna has not been widely studied, the oil has may be an astringent - the which has led some people to use its juice and oil on the skin to reduce the signs of aging and the wrinkles, as well as the unsightly appearance of the scars and other blemishes. This is complemented by the possible antiviral and antibacterial effects that can protect the body's largest organ, skin.

6) Might Heal wounds :-

One of the most notable uses of henna is for the possibility of protecting the skin against infections - the skin and eliminating inflammation. It can be applied to burns, wounds, and scrapes for the generations, not only because it might add a protective layer against foreign pathogens and the substances,

7) Might Reduce Fever :-

Henna also might bring down fevers due to its possible antipyretic properties, according to Ayurvedic traditions, when according to Ayurvedic people are suffering from very high fevers as a secondary symptoms of another condition, that rise in temperature throughout the body can be dangerous for organ function and metabolic processes. Bringing the overall temperature of the body down is essential, and henna might be able to accomplish this by either inducing sweating and effectively breaking the fever, or simply cooling the body and providing some relief.

8) Might be Anti-inflammatory :-

The juice of the henna plant is not always praised as being particularly beneficial, but in fact, the juice of the plant can be directly applied to the skin for fast relief from headaches. The possible anti-inflammatory effects of the compounds found in henna might help it reduce that tension and promote healthy blood flow in the capillaries, which is a common cause of headaches and migraines. A rat model revealed that the anti-inflammatory effect of the henna extract was similar to the drug phenylbutazone, a nonsteroidal anti-inflammatory drug. Henna oil might also be used topically for arthritic and rheumatic pains.

9) May Reduce Sleep Issues :-

Henna oil may help alleviate certain sleep disorders, so if you are suffering from insomnia or chronic restlessness, adding a bit of this oil to your herbal regimen can get you back into a regular, restful schedule of sleep by soothing the body and mind into a relaxed state before sleep.

10) Detoxification :-

By soaking the bark or leaves of the henna plant in water and then consuming the consequent liquid might have been connected to improved spleen and liver health. The liver works as a crucial level of protection for the body and helps to eliminate the toxins that accrue in the body.

By optimizing its function and ensuring its health, you can prevent a wide range of other health conditions. However, it is advisable to check with your health advisor.

Report :-

I prepared nearly 250 grms of hair dye
500 grms of mehendi for hands.

Note :-

This product is utilised for students are trained in mehendi designing.

