# **Durva Natural Energy Enhancer cum Blood Purifier**

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#### **ABSTRACT:**

Herbal is simply an herb mixture consisting of leaves, and/or of different herbs. According to common myth, they not produced from common tea plants but from what is referred to as 'tisanes'. They are many diff erent types of tisanes (herbal that are utilized for medicinal purposes. They are some of them who are using it for its energyboosting qualities to induce relaxation, to suppress stomach or digestive issues and even boost the immune system. Few of the popular herbal teas are Black tea, Green tea, Chamomile tea, Ginger tea, Ginseng tea, Peppermint tea, Cinnamon tea etc. are various type of herbal that have different medicinal properties such has anti-inflammatory, anti-bioticsetc. Main is to prepare tea powder bag using herbs like Durva, Harshingaar, Mulethi & to determine efficacy of combination of naturally availing herbs among the other products sold in market and to deliver maximum health benefits and

Keywords: Teabag, Durva, Mulethi, Harshingaar

## I. INTRODUCTION:

DOOB GRASS (Cynodondactylon): Doob grass, a widely recognized grass species, originates from the Indian subcontinent. Its scientific name is Cynodondactylon, and it belongs to the Poaceae family, commonly referred to as the Grass family. This grass is known by various names, including 'Indian doob grass,' 'Durva,' 'Bermuda grass,' and 'Hariyali.' It naturally thrives across India, easily identifiable along roadsides, in open grasslands, farmlands, and backyards. Cynodondactylon, often called Bermuda grass, is also known as couch grass in Australia and New Zealand and is found globally. It is indigenous to Europe, Africa, Australia, and much of Asia, and has been introduced to the Americas.

Other names include Dhoob, dūrvā grass, ethana grass, dubo, dog grass, dog's tooth grass, Bahama grass, crab grass, devil's grass, couch grass, Indian doab, arugampul, grama, wiregrass, and scutch grass. The grass blades are grey-green and short, typically ranging from 2 to 15 cm (0.79) to 5.91 in) in length, with rough edges. The upright stems can reach heights of 1 to 30 cm (0.39 to 11.81 in) and are slightly flattened, often with a purple hue. The seed heads form in clusters of two to six spikes at the stem's top, each spike measuring 2 to 5 cm (0.79 to 1.97 in) long. Doob grass is utilized boost body's to the immunity. Cynodondactylon contains biochemical compound known as cynodondactylon protein fractions (cdpf), which aids in enhancing the body's immunity. It is an easily accessible and affordable immune booster and energizer. CDPF supports immune modulation by assisting the body in optimizing the immune system. The antiviral and antimicrobial properties of durva grass contribute to improving immune health and combating various diseases. Durva grass also serves as a natural blood purifier and helps maintain blood alkalinity. It is highly effective in reducing blood loss due to injury, nosebleeds, or excessive menstrual flow. It increases red blood cell production, which in turn raises hemoglobin levels in the body, thus preventing anemia.

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Fig.Durva.

# **Health Benefits Of Durva:**

#### 1. Immune Function Enhancement:

Discover how the protein fractions in Durva grass help in immune modulator activity,

enhancing the immune system and overall health.

2. Skin Problem Cure:



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Find out about the cure for skin ailments through a paste of Durva grass blended with turmeric, demonstrating its efficacy in skin care.

# 3. Digestive Health:

Find out how Durva grass juice helps in curing acidity, stomach ulcers, colitis, and stomach infections, maintaining a healthy digestive system. To cure acidity, one must should take juice of Cynodondactylon (3-4 tsp) and water (1 glass) empty stomach in the morning.

#### 4. Regulating Blood Sugar Levels:

Find out about the blend of durva grass juice and neem leaf juice to normalize blood sugar levels, providing a natural solution to managing diabetes.

#### 5. Stress Relief:

Understand how drinking durva grass juice on a regular basis relieves stress and strengthen the nervous system, leading to general well-being.

#### 6. Expitaxis:

Preventing Nose Bleeding
Discuss the efficiency of cynodondactylon
in halting nose
bleeding, offering a natural remedy for
this widespread condition. To achieve this one has
to apply 2 drops of doob Ghas juice on the
bleeding nostril.

# 7. Purifying Blood:

Durva grass juice, encouraging blood purification and cleansing the body. juice of Durva taken every morning on an empty stomach is believed to detoxify the body.

## 8. Enhancing Heart Health:

Learn how consuming durva grass juice daily helps in weight loss and cholesterol level reduction, aiding cardiovascular wellness.

# 9. Conjunctivitis Cure:

Durva grass juice in treating conjunctivitis, with a natural treatment for eye health.

#### 10. Women health:

Good for women's well-being -A spoon of the durva grass juice taken along with yoghurt is effective in treating urinary tract infection vaginal discharge in women .Durva strengthen the uterus and is highly beneficial curing abortion. It is a natural remedy for PCOS (Poly Cystic ovarian Syndrome) boost production of proclatin. It is very effective excessive blood loss during menstruation. Relieve oral problem It is used to treat bleeding gums.

your regimen.

Durva incorporate into

#### DOSAGE OF DURVA:

Anti-inflammatory – (20mg/kg/b.wt0)

Diuretics –extract concentration (125-250-500mg/kg)

Leaf juice 10-15 ml

Powder 2-4 g

Decoction 50-100 m

#### **Harshingar** (Nyctanthesarbor-tristis)

Nyctanthesarbor-tristis Linn (also referred to as Night-flowering Jasmine) of family Oleaceae is famous for its wide traditional medicinal practice by rural, predominantly tribal population India and for its application in Ayurveda, Sidha, and Unani systems of medicines. The whole plant different parts have been traditionally employed as an herbal remedy for sciatica. arthritis, malaria, splenomegaly and as blood purifier. The pleasant white flowers are bitter tasting a pind are utilized as stomachic, carminative astringent to bowel, anti-bilious, expectorant, hair tonic and in piles' treatment and skin numerous ailments. Recent pharmacological research revealed antispasmodic, antioxidant, anthelmintic, cytoprotective, anti-diabetic, anti-leishmanial, CNS anti depressant action of the flower extract.



Fig. Harshingar.



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#### **PART OF HARSHINGAR:**

#### Flowers

Flowers are utilized as stomachic, carminative, astringent to bowel, antibilious, expectorant, hair tonic and in the treatment of piles and different skin diseases and in the treatment of ophthalmic purposes. The orange corolla tubes of flowers possess a colouring material nyctanthin, which is chemically identical with  $\acute{\alpha}$ -Crocetin of Saffron.

#### • Stems

Traditionally the powdered stem bark is administered in rheumatic joint ache, treatment of malaria and as an expectorant too. Bark is used to treat snakebite and bronchits. Pounded stem bark with Zingiberofficinale and Piper longum is boiled in water and the liquid formed is consumed for two days for malaria treatment. The formed paste upon mixing with Arjuna bark.

#### THERAPEUTIC APPLICATIONS:

Constipation in Children: The Harsingar flowers are conventionally used to get relief from constipation in children, balancing the bowel movements soothingly.

Bitter and Astringent Taste: The flowers have bitter and astringent tastes, for which they act as effective ophthalmic, stomachic, and carminative remedieds, facilitating eye conditions and digestion disorders. Relief in Arthritis and Rheumatism: Leaves properties render powerful anti inflammatory them effective in treating painful conditions such as rheumatism, fever, arthritis, joint pain. and Ringworm Cure: New Harsingar leaves, fried in applied externally mustard oil, are treat ringworm and other fungal skin infections. Worms in the intestine: Juic e of leaves mixed with a pinch of a common cure for driving out intestinal worms. Fungal Infections Respiratory Problems: Some conditions such asbr onchitis, dry cough, and fungal infection of the skin can be treated with coral jasmine. Intraditional medicine, it is also considered to be an antidote to snake bites. Piles, Baldness, and Scurvy: Seeds of Harsingar are applied in traditional treatments for treating piles (hemorrhoids), inducing hair growth in baldness, and for fighting scurvy because of their high nutrient content.

Gout Relief: A decoction prepared from the flowers of Harsingar is a popular remedy for relieving symptoms of gout, pain, and inflammation.

#### **GLYCYRRHIZA GLABRA (Mulethi)**

Glycyrrhizaglabra Root of Linn generally referred to as Mulethi/AslusSoos/liquorice sweet wood is amongst the most universally accepted herb of ancient medical era, as a medicine and as flavoring herb. It is native to Mediterranean as well as parts of Asia. The liquorice belongs to Glycyrrhiza having approximately 14 species. The wordGlycyrrhiza is coined from Greek word glykos (sweet) and rrhiza (root). Glycyrrhizaglabra is of leguminous family. Liquorice has been used historically for over 4000 years. The oldest mention of its use in medicine is in code Humnubari (2100 BC). It was also one of the significant plants that were mentioned Assyria n herbal (400 BC) talked about its use as a medicine of ulcers and thirst quenching. The drug has also been referred to by Theophrastus and Dioscorides is surprising to learnthat to the present day liquorice is still useful in medicine and pharmacy. It is a tall perennialshrub, leaves compound imparipinnate, alternate in 4-7 oblongelliptical or lanceolate leaflet. Purple to violet-coloured flowers occur in axillarv spikes. Up 1.5 cm long, glabrous erect pods, and 3-5 brown,



Fig. Glycyrrhiza Galabra (Mulethi).

reniform seeds.

# LIPRA Journal

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expectorant

The

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#### Pharmacological activities

Antitussive activity

The research on glycyrrhizin was found to be useful in the therapy of sore throat, cough, bronchial catarrh. It was also employed as an antitussive and expectorant. Anti oxidant activity Glycyrrhiza exhibits high free- radical scavenging activity and also reported that glabridin possesses strong antioxidant towards density lipoprotein oxidation

&

activity

hepatoprotective action of glycyrrhizin revealed that

Hepatoprotective

bypreventing alteration in cell membrane permeability, suppressing phospholipase A2 (PLA2) and enhancing survival rate of hepatocytes Anti-diabetic Licorice has also been used traditionally as an artificial sweetener and may be useful in insulin resistance syndrome common in the contemporary society.

Anti ulcer activity Glycyrrhizinic acid exhibited antiulcer activity by elevating the prostaglandins levels that facilitate mucous secretion and proliferation of cells in the stomach Licochalcone Antimalarial chalcone) occurring in liquorice has been found to hav every good antimalarial activity. All species of Glycyrrhiza contain this compound in various quantities and can be extracted from them. P. yoelii in vivo experiments against mice 1000 withoral doses of mg kg-1 have proved to kill malarial parasite totally. Also no toxicity found .Antioxidant was In an experiment antioxidant activity of liquorice be more than 100 flavonoids was reported to times that of antioxidant activity of vitamin E. Scavenging of 20.6% free radicals is possible mg/ml liquorice with a dose of2.58 mg/ml of flavonoids while 258 vitamin E scavenges only 11.2% free radicals. Flavonoids liquorice have been reported to be the strongest known natural antioxidants currently.

# Method of preparation: 1. DRYING:

The flavor of herbs comes from oils in the cell walls of plants. Leaves, flowers, stems, and seeds of herbs can all be dried. Heat, low humidity, and air movement are needed to dry herbs. Some methods include air-drying, seed harvesting, dehydrator drying, and microwave drying. Sun drying and oven drying have limitations.

#### 2.GRINDING:

Grinding is a process of reducing the particle size of a substance. In the pharmaceutical industry, grinding is done to achieve specific particle sizes of active ingredients for different formulations. This process is necessary for a variety of reasons, including increase bioavailability, improve solubility, stability, and improve flowability. There are several types of grinding equipment used in the pharmaceutical industry.

#### These include:

- i. **Ball Mills:** These machines use rotating cylinders filled with steel balls that crush and grind the substance into fine powder.
- ii. **Hammer Mills:** These machines use rotating hammers to crush and grind the substance into small particles.
- iii. **Jet Mills:** These machines use compressed air to create a high-speed jet stream that grinds the substance into fine particles.

#### 3. Mixing:

The process of combining two or more ingredients to create a uniform mixture.

# 4. SEVING:

Sieving is a separation technique based on the difference in particle size. The sieve is responsible for retaining the larger particles



## 5.Decoction:

It is a process of extraction by boiling plant or herbal material (which can containing stems, roots, bark and rhizomes) to dissolve the chemicals in the material. It is the

most widely used method of preparation across different herbal medical systems. Decoction involves first drying the plant material and then mashing, slicing, or cutting the material to enable maximum dissolution; and lastly, boiling in water to yield oils, volatile



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organic compounds and other diverse chemical substances.

#### II. DISCUSSION:

Literature Review Savita s. Patil, PriyankaAhire, Shalaka v Patil& Dr Vilasrao J kadam As per there research Cynodondactylon (Durva) is more than just a common grass ,it is a significant medicinal plant with a rich history in traditional medicine. The diverse pharmacological activities, including its antidiabetic, Antiulcer, and anticonvulsant properties. This review encourage the further research into phytochemical constituent and medicinal application c.dactylon, emphasizing it's significance in promoting health and wellbeing through natural remedies. Shivalinge Gowda KP, Satish S, Mahesh CM and Vijay Kumar As per there research the total urine volume of the rats administered aqueous extract of Cynodondactylon was evaluated; particularly the rats which received aqueous extract at the dose of 750mg/kg body weight excreted nearly four folds urine as compared to the control group. The excretion of sodium, potassium and chloride ions also increased. All the results were comparable with those for frusemide and observed significant activity in aqueous extract

#### III. CONCLUSION:

According to the review of literature, The herbs are synergistic in action, with a variety of healthadvantages such as enhanced circulation, sm oother skinand enhanced overall energy.

The convenient tea

bag format is easy to use, providing a natural alternative to synthetic energy enhancers and blood cleansers.

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