

Title: MEDICINAL USE OF COAT BUTTONS (TRIDAXPROCUMBENCE): REVIEW ARTICLE

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ABSTRACT: Coat Buttons (Tridaxprocumbence) is a famous herb known for its benefits and usage in hair growth and liver disorders. It is also an effective medicine for skin diseases and disease related to any part of the head. It improves hair growth, prevents hair fall and treats premature growing of hair. It is more beneficial in chronic skin diseases including pruritis (intense itching), chronic wounds, atopic dermatitis (eczema) etc. It increases the production of bile from the liver, improves liver functions, anti-diabetic and reduce inflammation.

KEY WORDS: Hair growth, Tridax Procumbence.

The native of the plant is tropical America and naturalized in tropical Africa, Asia, Australia and India. Throughout India, Tridax is distributed and is also found along roadsides, meadows, waste grounds, railroads, riverbanks, dikes and dunes. It is an widespread important weed which possess spreading stems and abundant seed production

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INTRODUCTION

Ghamra is also called Tridax Daisy in English. The accepted botanical name of Ghamra is Tridaxprocumbence. It is also known with the name of Coat buttons which is botanical synonym of Tridax procumbens.

Botanical Name – Tridax Procumbens

Common Name – Ghamra

English Name – coat

Family – Asteraceae

English - Coat Buttons and Tridax Daisy,

Hindi - Ghamra,

Sanskrit - Jayanti Veda,

Marathi - Dagadi Pala,

Telugu - GaddiChemanthi,
Tamil - Thatapoodu,
English - Coat Buttons and Tridax Daisy,
Hindi - Ghamra,
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Tamil - Thatapoodu,
Malayalam – Chiravanak.

Medicinal Uses

Coat buttons has following healing properties:

1. Keshya (promotes hair growth)
2. Varnya (improves skin complexion)
3. Anti-bacterial.
4. anti-microbial.
5. wound healing.
6. Anti-cancer.
7. Anti-inflammatory.
8. Anti-oxidant.
9. Repellence activity.

Medicinal Parts

* Whole part or Panchang

Chemical Components

Coat buttons containing Oleanolic acid and Fumaric acid. In leaf extract contains alkaloids, carotenoids, flavonoids (catechins and flavones), saponins and tannins. Leaves juice contains dexamethasone. However, two different Compounds isolated from ethyl acetate extract named β -sitosterol-3-O- β -D-glucopyranoside (daucosterol) and 3',5-dihydroxy-4',3,6-trimethoxyflavone-7-O- β -glucopyranoside (centaurein) daucosterol and centaurein also reported in the root of T. procumbens.

1. Antiarthritic Deepak et al. (2012)

2. Antibacterial (Bacillus cereus, Escherichia coli, Klebsiella Sharma and Sharma (2010), Chitra et al. (2011), Kalepneumoniae, Mycobacterium smegmatis, Pseudomonas and Dhake (2013), Muthusamy et al. (2013), aeruginosa, P. mirabilis, Proteus vulgaris, Salmonella Priyadarshini and Priya (2013), Shirish (2013), parathypi, Staphylococcus aureus) Kethamakkaet al. (2014), Veena and Christina (2015)
3. Anticancer α -pinene, β -pinene, phellandrene and Sabinene) Vishnu Priya (2011), Kethamakkaet al. (2014)
4. Antidiabetic Bailey (1989), Ali et al. (2002), Bhagwat et al. (2008), Durgacharan et al. (2008)
5. Antidiarrheal Jude et al. (2009)
6. Antidysentric Rastogi and Mehrotra (1999)
7. Antifungal (Aspergillus niger, Candida albicans, etc.) Nino et al. (2006), Jindal and Kumar (2013), Kethamakkaet al., 2014
8. Antihepatotoxic Reddipalliet al. (2008)
9. Antihyperglycemic Pareek et al. (2009)
10. Antiinflammatory Jachaket al. (2011)
11. Antioxidant Habila (2010)
12. Antiplasmodial Rappiah et al. (2011)
13. Bleeding piles Kaul and Dwivedi (2010)
14. Bronchial catarrh Padalet al. (2013), Navinet al. (2014)
15. Burn wound healing Babu et al. (2003)
16. Cataract Singh et al. (2012)
17. Hair growth restoration Rathi et al. (2008), Kuldeep and Pathak (2013)
18. Health-promoting food and food supplements (protein and Priyanka and Satish (2011), Ikewuchiet al. (2015)
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Therapeutic Indications:

It is therapeutically indicated in the following health conditions:

1. Hairfall
2. Hair thinning
3. Premature greying of hair
4. Anti-Hyperglycaemic
5. Anti-dysenteric
6. Burn wound healing
7. Cataract
8. Wound healing injuries
9. Reduce oxidation
10. Piles
11. Hepatoprotective
12. Health promoting -Health supplements

Ayurvedic Formulations of coat buttons

1. oil
2. cream
3. ointments

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