

**A REVIEW: SOME CASSIA AND FICUS SPECIES USED IN  
DERMATOLOGICAL DISEASES**

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**ABSTRACT**

Skin diseases are common ailments and affects all ages from the neonate to the elderly and cause harm in number of ways. Medicinal plants have great demand for primary health care due to safety, efficacy, less side effects. Medicinal plants are used to treat skin diseases Like boils, cuts, eczema, leprosy, pimples, scabies, leucoderma, ring worm, psoriasis, herpes, scabies, and itching, wounds, vitiligo. genus cassia species belongs to family fabaceae include cassia absus, cassia alata, cassia auriculata, cassia fistula, cassia obtusifolia, cassia occidentalis, cassia sohera, cassia tora, genus ficus species belongs to the family moraceae include ficus altissima, ficus arnottiana, ficus benghalensis, ficus carica, ficus cunia, ficus dalhousiae, ficus hispida, ficus lacor, ficus microcarpa, ficus religiosa, ficus racemosa, ficus semicordata. The present review is on some cassia and ficus plant species are used to treat different type of dermatological diseases.

**KEYWORDS:** Cassia, Ficus, Medicinal plants, Skin Problems.

**INTRODUCTION**

Human skin, the outer covering of the body, the largest organ in the body. It also constitutes the first line of defense. Skin plays a key role in protecting (the body) against pathogens and excessive water loss. Its other functions are insulation, temperature regulation, sensation, storage and synthesis of vitamin D by action of ultraviolet (UV) and the protection of vitamin B folates, absorption of oxygen and drugs and water resistance. Skin disease is a common

ailment and it affects all ages from the neonate to the elderly and cause harm in number of ways. There are more than a thousand conditions that may affect the skin. Common Skin Problems are Rashes, Viral infections, Bacterial infections, Fungal infections, Parasitic infections, Pigmentation disorders, Tumors and cancers, Trauma, Other conditions Wrinkles, rosacea, spider veins and varicose veins.<sup>[1]</sup>

According to the World Health Organization, over 80% of individuals in developing countries rely on traditional medicine to meet their primary health needs. Medicinal plants used to treat skin problems. India is considered to be the botanical garden of the world, as it is home to the largest collection of medicinal herbs globally. Medicinal plants have increase in demand due to effective, safety, less cost, easy availability, less side effects , genus cassia and ficus plant species can used in dermatological disorders.<sup>[2]</sup>

Genus cassia species with approximately 500 species, it is a large group of flowering plants and belongs to the family fabaceae. Widely distributed throughout the India, more than 200 chemical constituents are present includes piperazine alkaloids, anthracene derivatives, flavonoids, pentacyclic triterpenoids, sterols, phenyl propanoids, naphthopyrones.<sup>[3]</sup>

Cassia species have a long history of utilization in various traditional medicine system worldwide, and they are widely consumed for medicinal purposes. Based on the available literature, it can be concluded that the Cassia genus possesses significant preventive and therapeutic potential. The rich phytochemical composition and wide range of pharmacological activities make Cassia species a valuable resource in the field of natural medicine.<sup>[4]</sup>

The genus *Ficus* includes more than 800 species belonging to the family Moraceae, commonly known as fig tree, mostly found in tropical and subtropical regions of asia. Tropical South America, Australia.<sup>[5]</sup>

Genus Ficus contain ficus plants contain alkaloids, flavonoids, tannins, phenolic acids, glycosides, steroids, saponins, coumarins, and triterpenoids i.e., oleanolic, ursolic, protocatechuic, hydroxy ursolic and maslinic acids. Non-enzymatic constituents include phenolic constituents, flavonoids, and vitamin C and enzymatic components include ascorbate peroxidase, ascorbate oxidase, catalase, and peroxidase are also reported from these plants.<sup>[6]</sup>

## MATERIALS AND METHODS

Some Cassia and Ficus species are used in Skin diseases

Cassia Alata, Cassia Absus, Cassia Occidentalis, Cassia Sohera, Cassia Tora, Ficus Benghalensis, Ficus Carica, Ficus Cunia, Ficus Hispida, Ficus Altissima<sup>[7]</sup>, Cassia Auriculata<sup>[8]</sup>, Cassia Obtusifolia<sup>[9]</sup>, Cassia Fistula, Ficus Lacor, Ficus Religiosa, Ficus Semicordata<sup>[10]</sup>, Ficus Arnottiana<sup>[11]</sup>, Ficus Dalhousiae<sup>[12]</sup>, Ficus Microcarpa<sup>[13]</sup>, Ficus Racemosa<sup>[14]</sup>

## RESULTS AND DISCUSSION

### Cassia Species

| S. No | Plant Name          | Family   | Part Used                              | Used In Treatment Of Skin Diseases              |
|-------|---------------------|----------|--|---|
| 1     | Cassia Absus        | Fabaceae | Seed                                   | Leucoderma, Ring Warm Infection                 |
| 2     | Cassia Alata        | Fabaceae | Leaf                                   | Eczema, Mycosis                                 |
| 3     | Cassia Auriculata   | Fabaceae | Flowers                                | Psoriasis                                       |
| 4     | Cassia fistula      | Fabaceae | Root and Leaf juices                   | Eczema, Herps, Ringworms, Scabies, and Itching. |
| 5     | Cassia Obtusifolia  | Fabaceae | Seeds Are Mashed In Vinegar Or Alcohol | Applied On Eczema                               |
| 6     | Cassia Occidentalis | Fabaceae | Leaves                                 | Ringwarm, Scabis                                |
| 7     | Cassia Sophora,     | Fabaceae | Leaves, Seed, Bark                     | Ring Warm                                       |
| 8     | Cassia Tora         | Fabaceae | Leaves                                 | Eczema , Ring Warm                              |

### Ficus Species

| S. No | Plant Name         | Family   | Part Used  | Used In Treatment Of Skin Diseases                          |
|-------|--------------------|----------|--|---|
| 1     | Ficus Altissima    | Moraceae | Leaf, Bark   | Skin Diseases   |
| 2     | Ficus Arnottiana   | Moraceae | Leaf, Bark   | Leprosy, scabies, wounds                                    |
| 3     | Ficus Benghalensis | Moraceae | Milky Juice and Seeds - Applied Sores, Ulcers, Cracked Soles of Feet<br>Aerial roots - Applied To Pimples<br>Leaves - Paste Applied Externally To Abscesses and wounds for promoting suppuration |   |
| 4     | Ficus Carica       | Moraceae | Leaf<br>Bark   | Leucoderma<br>Eczema  |
| 5     | Ficus Cunia        | Moraceae | Bark   | Wounds  |
| 6     | Ficus Dalhousiae   | Moraceae | Leaf, Bark   | Bark paste used for leprosy                                 |
| 7     | Ficus Hispida      | Moraceae | Fruit, Root  | Leucoderma, Vitiligo  |
| 8     | Ficus Lacor        | Moraceae | Seed   | Seed paste is useful to treat scabies and skin inflammation |
| 9     | Ficus Palmata      | Moraceae | Latex  | Pimples   |
| 10    | Ficus Microcarpa   | Moraceae | Leaf, Bark   | wounds  |
| 11    | Ficus Racemosa     | Moraceae | Fruit  | Leucoderma  |
| 12    | Ficus Religiosa    | Moraceae | Bark<br>Leaves   | Pruritus and Scabies<br>Cuts and wound-healing activity     |

|    |                          |          |                             |         |
|----|--------------------------|----------|-----------------------------|---------|
| 13 | <i>Ficus semicordata</i> | Moraceae | bark of the stem and fruits | Leprosy |
| 14 | <i>Ficus Talbotii</i>    | Moraceae | Bark                        | Leprosy |

## SUMMARY AND CONCLUSION

Different plant parts of *Cassia* and *Ficus* species are used to treat different type of skin problems such as Pimples, Eczema, Mycosis, Leucoderma, Ring Worm, Psoriasis, eczema, herpes, scabies, and itching, Wounds, leprosy, Vitiligo.

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