



## Pharmacognostical and Cecidological Study of Ficus Species Galls

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### Abstract:

Cecidological and pharmacognostical parameters for the galls of three Ficus species were studied with the aim of drawing the standards. The codicology, macroscopy, microscopy, powder characteristics, physical standards, thin layer chromatographic studies of Ficus racemosa, Ficus benghalensis, and Ficus religiosa galls included in research work. The study also deals with the phytochemical screening of with various extracts. Here nonstructural total phenolic content (TPC) determined by Folin- Ciocalteu reagent and flavonoid content (TFC) was determined by aluminum chloride colorimetric method. In addition, total tannin content (TTC) determined by back titration with potassium permanganate also carried out. During the cecidologic study it has been observed that, Ficus species galls have three stages; development, maturation and senescence stage. Microscopically the galls show variation in their growing stages. Commonly cuticle, lignified cells, cortex, starch grains, nutritive tissue and larval chamber were identified during microscopy of galls. The results showed that the moderate presence of terpenes, flavonoid, steroids, phenols and tannins



### Biography:

Dr. YV Ushir has completed his PhD at the age of 29 years from Saurashtra University and he is Research Scholar at PSU, Thailand. He is the Principal of SMBT Institute of D. Pharmacy, a premier Research organization. He has published more than 30 papers in reputed journals and has been serving as an editorial board member of reputed journal.

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