Pharmacognostical Evaluation of Stem Bark of *Erythrina Stricta Roxb*

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ABSTRACT

The evaluation of quality and purity of crude drugs by means of various parameters is the most important aspect of pharmacognosy. Pharmacognostical studies of a plant helps in the proper identification of a drug and provides basis for authentication of crude drug. *Erythrinastrictaroxb* belongs to the family Fabaceae**.** It is commonly known as Indian coral Tree**.** It is an armed deciduous tree. This tree is found in the plains and found up to an altitude of 1000 meters. It is widely distributed in the Asian and south east Asian countries like India, Nepal, Burma, Thailand, Vietnam and china. The tree is 15 to 20 meter tall, branchlets apically stellate pubescent, basically glaberescent, densely prickled. The bark and flowers are known for medicinal properties such as Biliousness**,** Rheumatism**,** Asthma**,** Leprosy**,** Epilepsy and FeverLiterature survey showed that no detailed works on Pharmacognostical and development of standardization parameters have been done. The present work was carried out to perform the morpho anatomical and various physicochemical evaluations like Lossondrying**,** totalash**,** AcidinsolubleashandExtractivevaluewere determined by using air dried material. The bark of *Erythrinastrictaroxb*was collected in September 2014 from Gummidipundi**,** Tamilnadu**,** India**.** The plant was identifiedand authenticated by prof**.** Dr**.** P.Jayaraman, Director**,** Instituteofherbalbotany**,** PlantAnatomyResearchcenter**,** Tambaram**.** The Pharmacognostical studies were carried out in terms of organoleptic, macroscopic, microscopic and physicochemical parameters. This will help in the identification of plant and also detect any adulterants are substandard drugs.