



**PHARMACOGNOSTIC STUDIES OF LEAVES OF *Symplocos racemosa* Roxb. AND
Rumex vesicarius Linn.**

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ABSTRACT

Objective: To study pharmacognostic studies of *Symplocos racemosa* Roxb. and *Rumex vesicarius* Linn.

Method: The leaves of *Symplocos racemosa* Roxb. and *Rumex vesicarius* Linn. were studied by Microscopic, Physicochemical and Phytochemical Studies.

Result: The T.S of the leaf of *Symplocos racemosa* Roxb showed upper epidermis, lower epidermis, lignified xylem & phloem, collenchyma and stomata. The microscopical powder studies of *Symplocos racemosa* Roxb indicate the presence of a lignified vascular bundle (Xylem & Phloem), Trichomes, Cuticle cell, Ca- oxalate crystals and Stomata. The T.S of the leaf of *Rumex vesicarius* Linn showed upper epidermis, lower epidermis, lignified xylem & phloem, collenchyma and anisocytic stomata. The microscopical powder studies of *Rumex vesicarius* Linn indicate the presence of a lignified vascular bundle (Xylem & Phloem), Trichomes, Starch Grain and Stomata.

Physicochemical parameters such as alcohol soluble and hexane soluble extractive value, total ash content, acid insoluble ash value, water soluble ash value and Loss on drying were determined.

The preliminary phytochemical screening result showed the presence of carbohydrate, cardiac glycoside, flavonoids, alkaloids and Tannis in the ethanolic extract of *Symplocos racemosa* Roxb (ESR) And N-hexane extract of *Symplocos racemosa* Roxb (NSR) showed the presence of cardiac glycoside, alkaloids, Tannis. The preliminary phytochemical screening result of ethyl acetate extract of *Rumex vesicarius* Linn (EARV) showed the