

# Extraction and Qualitative Analysis of Alternanthera Sessilis and Pueraria Tuberosa

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**Abstract:** *Alternanthera sessilis* (Linn) and *Pueraria Tuberosa* are the treasure house of phytochemicals. The main objective of present paper was to study the qualitatively preliminary phytochemical analysis of such plant's species. The present paper deals with the extraction and phytochemical studies of *Alternanthera sessilis* (Linn) and *Pueraria Tuberosa*. A phytochemical analysis process was carried out to test the plant extract for therapeutic substances. The result of the study showed that the fresh plant or parts contains different classes of secondary metabolites such as flavonoids, phenols, tannins, saponins, alkaloids, carbohydrates, cardiac-glycosides, flavonoids, terpenoids, quinones, coumarins etc. Phytochemical are certain non-nutritive plant chemicals which have allelopathic properties. These phytochemical constituents play an important role in formulation of pharmaceutical and pharmacological drug. This study on above mentioned plants was carried out to standardize its components. Various examinations of extraction of plant indicates the presence of different phytochemical groups and yield in each extract. The objective of paper is to present an overview of phytochemical investigation carried out in *Alternanthera sessilis* (Linn) and *Pueraria Tuberosa*.

**Keywords:** *Alternanthera sessilis* linn., *Pueraria Tuberosa*, Phytochemical studies, Extraction, Soxhlation, biologically active compound

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