

A
DISSERTATION PROJECT
ON
**QUALITATIVE AND QUANTITATIVE ANALYSIS OF
ACHYRANTHES ASPERA**

Submitted to
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ABSTRACT

Achyranthes aspera is an important medicinal herb found as a weed throughout India. The presence of a various phytochemicals was discovered by the qualitative analysis of *Achyranthes aspera*. During this study, different extracts (methanol, ethyl acetate, aqueous, chloroform) of leaves and stem of *Achyranthes aspera* was used. Phytochemicals such as, Alkaloids, Carbohydrates, Flavonoids, Steroids, Glycosides, Phenols, Protein & Amino acids, reducing sugars, Coumarin, Tannins and Terpenoids were screened from the leaves and stem of *Achyranthes aspera*. Methanol extract was screened for estimation of total flavonoid and total phenol content. In the present study, qualitative analysis of stem and leaf shows absence and presence of these phytochemicals and quantitative analysis of flavonoid and phenol shows the concentration of it.

Keywords: *Achyranthes aspera*, Phytochemical screening, Phenol, Flavonoids