HPTLC FINGERPRINTING AND GC-MS ANALYSIS OF CAJANUS GOENSIS STEM EXTRACT

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**Abstract**. Majority of the Pharmaceutical businesses rely on the medicinal plants for their production of pharmaceutical compounds. The plant utilized for the research work is Cajanus *goensis,* commonly called as Atylosia *goensis* belonging to the family Fabaceae (Pea/Bean family). As per APG system III it belongs to the family of Leguminosae. The present study was carried out to identify the phytochemical components using solvents with increasing Polarities *v*iz, Hexane, Ethyl Acetate, Methanol by GC-MS analysis.

HPTLC finger printing studies were also performed for 50% (Ethyl Acetate: Hexane) & 20% (Ethyl Acetate: Hexane). The results displayed the bands with Rf values under 254nm, 366nm and white lamp.

**Keywords:** Cajanus *goensis,* GC-MS, HPTLC, Polarity, Phytochemical components.

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