



Investigation of Physicochemical and Phytochemical Parameters of Different Extracts of *Trigonellafoenum-graecum*

C.Girish¹, Y. Narsimhareddy*².

¹ S.V.U.College of Pharmaceutical Sciences, S.V.University, Tirupati - 517502.A.P, India.

²Department of pharmacology, University College of pharmaceutical sciences, Kakatiya University, Warangal - 506009, A.P, India.

Abstract: *Trigonellafoenum-graecum* has been used for several diseases. *Trigonellafoenum-graecum* generally known as “Fennel”, and is belongs to family Papilionaceae. The present study comprises physico-chemical and phytochemical evaluation of different extracts of *Trigonellafoenum-graecum* by using different standard methods. The physico chemical evaluation was carried out by the determination of ash values, extractive values and moisture content. Whereas phytochemical evaluation was carried out to estimate the presence of carbohydrates, glycosides, flavonoids, tannins, phytosterols and phenolic compounds in different extracts of *Trigonellafoenum-graecum*. Results revealed the presence of carbohydrates, proteins, alkaloids, saponins, tannins, phytosterols, flavonoids, glycosides, fats and phenolic compounds. The present study will helpful in determining the quality and purity of a crude drug and laying down pharmacopoeial standards for *Trigonellafoenum-graecum*.
Key words: *Trigonellafoenum-graecum*, Fennel, Phytochemical Evaluation, glucosides and Flavonoids.

C.Girish et al/International Journal of ChemTech Research, 2017,10(6): 220-227.
