

# Phyto chemical analysis of bitter gourd (*Momordica charantia* L.) fruit extracts

J.R. KRISHNENDU AND P.V. NANDINI

*Momordica charantia* is used for some medicinal purposes in traditional medicine. The phytochemical composition of bitter gourd was investigated using standard analytical methods. Phytochemicals like tannin, flavonoids, phenolic compounds, alkaloids, saponins, steroids, cardiac glycosides, phlobatinnins and anthraquinones were also found present/absent. The proximate composition showed the per cent of tannin, flavonoids, phenolic compounds, alkaloids and saponins. The study indicates the presence of phytochemical components that are beneficial in addition to the purported numerous medicinal value of *momordica charantia*. *Momordica charantia* was collected and extracted in 50ml of solvent *i.e.*, ethanol, methanol, acetone aqueous and petroleum ether, respectively.

**Key Words :** *Momordica charantia*, Saponin, Tannin, Alkaloid, Polyphenol, Flavonoid

**How to cite this article :** Krishnendu, J.R. and Nandini, P.V. (2015). Phyto chemical analysis of bitter gourd (*Momordica charantia* L.) fruit extracts. *Food Sci. Res. J.*, 6(1): 92-97.

---

MEMBERS OF RESEARCH FORUM

**Author for correspondence :**

**J.R. KRISHNENDU**, Department of Home Science, College of Agriculture, Vellayani, THIRUVANANTHAPURAM (KERALA) INDIA

**Associate Authors' :**

**P.V. NANDINI**, Department of Home Science, College of Agriculture, Vellayani, THIRUVANANTHAPURAM (KERALA) INDIA