

Pharmacognostical and Phytochemical Investigation of the Endemic Medicinal Plant *Tekchebium arvensis* Linn

Authors : K. Bengango, H. Mesahsah, F. Haseb-Reho, J. M. Tafrate

Abstract : This present work was conducted to explore the micro-morphology and phytochemical characterization of the endemic medicinal plant *Tekchebium arvensis* Linn (Asteraceae). Macroscopy, microscopy, physicochemical analysis and WHO recommended parameters for standardizations were performed. Microscopic evaluation revealed the presence of abaxial epidermis with paracytic stomata. Petiole showed epidermis, vascular strands, ground tissue and secretory cavities. Physicochemical tests like ash values, loss on drying, extractive values were determined. Preliminary phytochemical screening showed the presence of sterols, tannins, flavonoids, glycosides, volatile oil, terpenoids, saponin and alkaloids.

Keywords : *Tekchebium arvensis* Linn, Asteraceae, microscopical evaluation, phytochemical, powder microscopy, standardization

Conference Title : ICTAM 2014 : International Conference on Theoretical and Applied Mechanics

Conference Location : Los Angeles, United States

Conference Dates : September 29-30, 2014