World Academy of Science, Engineering and Technology
International Journal of Chemical and Materials Engineering
Vol:11, No:01, 2017

Phytochemical and Proximate Composition Analysis of Aspillia kotschyi

Authors : A. U. Adamu, E. D Paul, C. E. Gimba, I. G. Ndukwe

Abstract : The phytochemical and proximate composition of Aspillia kotschyi belonging to Compositae family which is commonly used as medicinal plant in Nigeria was determined on both the Methanolic and Petroleum sprit extract of the plant. The Methanolic extract of the plant revealed the presence of carbohydrates, cardiac glyscosides, flavonoids, triterpene, and alkaloids. The Petroleum sprit extract showed the presence of only carbohydrates and alkaloid. Proximate composition analysis shows moisture content of 5.7%, total ash of 4.03%, crude protein 10.94%, fibre 9.06%, fat value 0.83%, and nitrogen free extract of 70.19%. The results of this study suggest some merit in the popular use of Aspillia kotschi in herbal medicine.

Keywords : Aspillia kotschyi, herbal medicine, phytochemical, proximate composition
Conference Title : ICCIS 2017 : International Conference on Chemical Industry and Science
Conference Location : Jeddah, Saudi Arabia
Conference Dates : January 30-31, 2017