World Academy of Science, Engineering and Technology
International Journal of Agricultural and Biosystems Engineering
Vol:9, No:11, 2015

Phytochimical Screening and Antimicrobial Activity of Ethanolic Extract of Solenostemma Argel (Asclepiadaceae)

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Abstract : The crude ethanolic extract from Solenostemma argel was obtained by maceration of leaves and stems of the plant. Phytochimical study revealed the richness of the species on flavonoids, alkaloids, tannins and glycosides. Antimicrobial activity of the growth of clinical isolates of Eschirichia coli, Pseudomonas aeriginosa, Staphylococus aureus and Bacillus Subtilis was carried out using agar disc diffusion. The results of the study revealed that the test compound has antimicrobial activity against gram-positive bacteria which are resistant to commonly antimicrobial agents used. However, no effect was observed on other species tested.

Keywords : Solenostemma argel, crude extract, phytochemical screening, antimicrobial activity
Conference Title : ICABBBE 2015 : International Conference on Agricultural, Biotechnology, Biological and Biosystems Engineering
Conference Location : Paris, France
Conference Dates : November 19-20, 2015