

Phytochemical Analysis Of XylopiA AethiopiCA

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[EPUB] Phytochemical Analysis Of XylopiA AethiopiCA

Key words: Extracts, bioactive compounds, phytochemicals, correlation, drug, XylopiA aethiopiCA. INTRODUCTION XylopiA aethiopiCA is a tree of more than 20 m of height and 60 to 75 cm in diameter. It grows in the forest zone and especially along the rivers and in arid areas. The fruit is a slightly hooked cylindrical pod reaching 2 to 3 mm in width.

Phytochemical screening of XylopiA aethiopiCA with ...

The proximate analysis result showed XylopiA aethiopiCA fruit contain $38.72 \pm 0.61\%$ fiber, $26.08 \pm 1.41\%$ carbohydrates, $18.47 \pm 0.05\%$ protein, $6.73 \pm 0.01\%$ lipid, $6.02 \pm 0.84\%$ moisture, and 4 ...

(PDF) Phytochemical screening of XylopiA aethiopiCA with ...

Phytochemical Analysis Of XylopiA AethiopiCA aethiopiCA Phytochemical screening of the fruit of XylopiA aethiopiCA confirmed the presence of Saponin, Saponin glycoside, Tannin, Balsam, Cardiac glycoside and Volatile oil.

Phytochemical Analysis Of XylopiA AethiopiCA

XylopiA aethiopiCA, a member of the custard apple family, Annonaceae, is a dense forest understory tree 15-30 m high and 60-75 cm in diameter, growing on river banks or marshland. It has a slender trunk with a buttressed base 50 cm to 1 m in diameter.

Phytochemical and Antioxidant Properties of Extracts of ...

This study was carried out to determine the phytochemical and antioxidant properties of extracts of XylopiA aethiopiCA dried fruits. Acetone and aqueous extracts of X. aethiopiCA fruits were investigated for their free radical scavenging activities

(PDF) Phytochemical and Antioxidant Properties of Extracts ...

Xylophia aethiopica, a plant found throughout West Africa, has both nutritional and medicinal uses. The present study aims to characterize the effects of extracts of this plant on cancer cells.

(PDF) Phytochemical and Antioxidant Properties of Extracts ...

There were total of 11, 9 and 19 peaks for hexane, ethyl acetate and methanol chromatogram respectively. The HPLC analyses revealed that the profile of methanol extract contained peaks corresponding to caffeic acid (8.19%) and ferulic acid (4.91%) with retention times of 4.821 and 8.777 minutes respectively.

HPLC Profiling and Phytochemical Analysis of Fruit ...

Jirovetz L, Buchbauer G and Ngassoum M: Investigation of the essential oils from the dried fruits of Xylophia aethiopica (West African "Peppertree") and Xylophia parviflora from Cameroun. Ernährung/Nutrition 1997; 21: 324-325. Uwakwe A A and Nwaoguikpe R N: In vitro anti-sickling effects of Xylophia aethiopia and Monodora myristica.

A REVIEW ON PHYTOCHEMICAL AND PHARMACOLOGICAL RESEARCH ...

Hederacoside C (HDC) is a bioactive natural triterpenoid saponins constituent originating from traditional Chinese medicines. An analysis strategy based on UPLC-Q-Orbitrap-MS technique combined with automatic fragment ion search (FISh) was firstly exploited for the characterization metabolites of HDC in vivo and in vitro.

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The phytochemical analysis showed that the sample contained tannins (4.96%), flavonoids (0.81%), saponins (2.93%) and alkaloids (1.24%). The proximate analysis of the nutrient composition of powdered Xylophia aethiopica sample showed the presence of moisture, lipid, crude fibre, crude protein, ash and nitrogen free extracts in the following proportion 6.32, 12.54, 14.51, 0.91, 2.31 and 63.41% respectively.

Phytochemical, Nutrient Composition and Serum Lipid ...

Phytochemical screening of the fruit of Xylophia aethiopica confirmed the presence of Saponin, Saponin glycoside, Tannin, Balsam, Cardiac glycoside and Volatile oil.

Phytochemical and antimicrobial studies of extract of the ...

The chemical composition of the essential oils obtained from the leaves, the barks of the stem and the root, as well as from the fresh and dried fruits of Xylophia aethiopica, growing in Ghana, was investigated by gas chromatography/mass spectrometry analyses.

Composition and Antioxidant Activity of the Essential Oils ...

The analytical strategy adopted showed the spatial distribution of the compounds in the fruits of X. aethiopica based on the dominant ions at m/z 301.2163 [M + H - HOCOCH 3] + and m/z 399.1932 [M + K] + for xylopic acid, m/z 317.2111 [M + H] + and m/z 355.1670 [M + K] + for 15-oxo-ent-kaur-16-en-19-oic acid and m/z 303.2319 [M + H] + for ent-kaur-16-en-19-oic acid.

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COMPARATIVE STUDY ON THE ANTIMICROBIAL ACTIVITIES AND PHYTOCHEMICAL ANALYSIS OF AFRICAN PEPPER TREE (Xylophia aethiopica) AND GINGER (Zingiber officinale) ... extracts of commonly used herbal plants, Xylophia aethiopica (root and fruits) and Zingiber officinale rhizomes were screened at different concentrations of 200, 100, 50, 25, 12.5 mg/ml ...

COMPARATIVE STUDY ON THE ANTIMICROBIAL ACTIVITIES AND ...

The results of the phytochemical analysis showed that *Xylophia aethiopica* dried fruits contain the following phytochemicals: alkaloids, tannins, flavonoids, steroids, saponin and carbohydrates. The results of the performance characteristics of the finisher broilers given different concentrations of

Effects of Xylophia aethiopica Dried Fruits (Grains of ...

Anti-inflammatory properties of *Xylophia aethiopica* leaves: Interference with pro-inflammatory cytokines in THP-1-derived macrophages and flavonoid profiling Author links open overlay panel Tiago Macedo a Vera Ribeiro a Andreia P. Oliveira a David M. Pereira a Fátima Fernandes a Nelson G.M. Gomes a Luísa Araújo b Patrícia Valentão a Paula B ...

Anti-inflammatory properties of Xylophia aethiopica leaves ...

The proximate analysis and the phytochemical constituents were investigated in *Magnifera*, *Morinda lucida*, *Parquetina nigrescens*, *Oscmium gratissimum*, *Chenopodium ambrosioides* and *Veronia amygdalina* using standard reference methods. The proximate analysis in % showed that *Chenopodium ambrosioides* had the highest amount of ash content of 17.30 and moisture content of 89.40 while *Magnifera* ...

Phytochemical and Proximate Analysis of Some Medicinal ...

Among the countless lists of food spices in human era is the Negro pepper, which is botanically referred to as *Xylophia aethiopica* from the Annonaceae family. The high demand for the Negro pepper as a spice is due to its high constituents of essential phytochemical compounds and beneficial nutritional values.

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