

Phytochemical Analysis Of Xylopia Aethiopica

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PDF | 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 ...

Phytochemical and Antioxidant Properties of Extracts of ...

HPLC Profiling and Phytochemical Analysis of Fruit Extracts of Guinea pepper - Xylopia aethiopica, (Dunal) A. Richard *Egharevba Henry Omoregie¹, Shedrach Hubert², and Okhale Samuel Ehiabhi¹
¹Department of Medicinal Plant Research and Traditional Medicine (MPR & TM), National Institute for

HPLC Profiling and Phytochemical Analysis of Fruit ...

Phytochemical screening of the fruit of Xylopia aethiopica confirmed the presence of Saponin, Saponin glycoside, Tannin, Balsam, Cardiac glycoside and Volatile oil. Spectrophotometric analysis for trace metals (such as Mg, Zn, Cu, Ni and Fe), Phosphorus and Sulphur showed that X. aethiopica contained Mg(0.370±0.002

Phytochemical and antimicrobial studies of extract of the ...

In the course of on-going work on the characterisation of aromatic plants from the Ivory Coast we investigated the composition of the root oil from Xylopia aethiopica. Objectives The aim of this work was to investigate the chemical composition of X. aethiopica root oil and elucidate the structure of two new compounds.

Three New Natural Compounds from the Root Bark Essential ...

2.6 Quantitative Phytochemical Constituents of Xylopia aethiopica Total alkaloids, flavonoids, tannins and saponins were determined using the method described by Krishnaiah et al. [25] in triplicates.

Phytochemical, Nutrient Composition and Serum Lipid ...

Keywords: Xylopia aethiopica, phytochemical property, antioxidant property, DPPH
*Correspondence Eze PM, Email: eze2004@hotmail.com Introduction 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.

Phytochemical and Antioxidant Properties of Extracts of ...

the antimicrobial potentials of the extracts of Xylopia aethiopica and Gongronema latifolium on some commonly encountered pathogens. The proximate composition results reveal that both plants were very rich in basic nutrients. X. aethiopica had 14.5% moisture, 2.41% ash, 1.38% protein, 0.33% fat and 72.1% carbohydrate.

of Xylopia aethiopica and Gongronema latifolium on Common ...

Xylopia aethiopica was the least toxic with Relative Toxicity Factor (RTF) of 1. RTFs of the extracts increase at host fingerlings' Low Observed Effect Concentration (LOEC) - LC 5 mg/l as shown in Table 5.

Toxicological, phytochemical and anthelmintic properties ...

The phytochemical composition and physicochemical properties of oil extractable from the fruits of Xylopia aethiopica were determined. Extracts' effects on cell membrane stability and prostaglandin synthetase activity were also evaluated. X. aethiopica oil extracted with chloroform: methanol (2:1, v/v)

Investigation of the chemical composition and biological ...

g of African guinea pepper fruit (*Xylopia aethiopica*) was determined quantitatively and qualitatively using standard chemical methods. The results of the proximate analysis carried out on the fruits showed that they have the following composition: moisture (10.5 ± 0.10)%, ash (6.10 ± 0.11)%, crude

Chemical profiling of African guinea pepper fruit Xylopia ...

Thus, the present study is aimed at evaluating the influence of solvent partitioning on the phytochemical composition antioxidant and immunomodulatory properties of ethanol extract of *Xylopia aethiopica* fruit. Materials and methods. Plant materials. The fruit of *Xylopia aethiopica* was collected from farms in the North Central Zone of Kwara State. It was authenticated at the Department of Plant Biology, University of Ilorin with the voucher number UIH001/1089.

Phytochemical composition, In vitro antioxidant ...

The HPLC-DAD identified the phenolics in the extracts (Figures 4 to 6). The HPLC-DAD analysis of the extracts also revealed the presence of xylopic acid (kaur-16- ene) as shown in Table 3. Other compounds quantified are apigenin, chlorogenic acid, caffeic acid, ellagic acid, rutin, kaempferol and quercetin.

E-ISSN: P-ISSN: Metabolomic profiling of ethanolic ...

Mineral contents and amino acid and fatty acid profiles of *Xylopia aethiopica* fruits from Enugu State, Nigeria were evaluated in this study. The amino acid and fatty acid profiles, phytochemical, proximate, mineral, anti-nutrient and vitamin contents of *X. aethiopica* fruits were determined using standard methods.

Effects of Methanol Extraction on Some Nutritional and ...

Background: Fruit extracts of *Xylopia aethiopica* are used traditionally in the management of pain disorders including rheumatism, headache, colic pain, and neuralgia. Little pharmacological data exists in scientific literature of the effect of the fruit extract and its major diterpene, xylopic acid, on pain.

Analgesic effects of an ethanol extract of the fruits of ...

This study aims at determining the presence of phytochemical constituents in *Telfaria occidentalis* and *Ocimum gratissimum* collected from a location in Abuja, FCT. Standard laboratory procedures were employed to achieve the set objectives. To ascertain the phytochemical components responsible for the ethno medicinal properties, a qualitative and quantitative screening of the extracts of the ...

Phytochemical Analysis of Telfaria Occidentals and Ocimum ...

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COMPARATIVE STUDY ON THE ANTIMICROBIAL ACTIVITIES AND ...

aethiopica (0.21%) than *Ocimum gratissimum* which contained 0.02% of phenol. Alkaloid was found to be higher in *Ocimum gratissimum* (1.4%) than *Xylopia aethiopica* which contained 0.36% of alkaloid. (Table 2). Table1: Result of Phytochemical Analysis Qualitative Analysis of the Phytochemical content of the extracts

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