

Chemical Composition Of Persea Americana Leaf Fruit And Seed

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Chemical Composition Of Persea Americana

Proximate composition revealed that the seed of P. americana contains more of volatile matter and fixed carbon of 27.55±0.01 and 58.35±0.04 respectively; while the pulp has more moisture content ...

(PDF) Determination of the Chemical Composition of Avocado ...

The chemical composition of P. americanaleaf, fruit and seed was investigated. The results obtained showed that the investigated samples contain phytochemicals such as phenols, saponins, and flavonoids in appreciable quantities. Proximate content revealed that the fruit of P.americana contains more of fat and energy; seed, more of fat, protein

CHEMICAL COMPOSITION OF PERSEA AMERICANA LEAF, FRUIT AND SEED

Nutrients and fat composition. A typical serving of avocado (100 g) is moderate to rich in several B vitamins and vitamin K, with good content of vitamin C, vitamin E and potassium (right table, USDA nutrient data). Avocados also contain phytosterols and carotenoids, such as lutein and zeaxanthin.

Avocado - Wikipedia

This research work was carried out to determine chemical components of Persea americana seed. Persea americana (avocado) is widely grown fruit in parts of South East, Nigeria, where it is used as a medicinal plant in the treatment of several ailments

(PDF) Determination of the Chemical Composition of Avocado ...

Thus, 50mg of hexane and methanol extracts from avocado seeds were weighed and dissolved in 500µl of dimethyl sulfoxide (DMSO). Seawater was added up to a final volume of 50mL. Different concentrations were obtained through dilutions, thus resulting in final concentrations of 1, 10, 100 and 1,000mg mL⁻¹.

Chemical composition, toxicity and larvicidal and ...

Chemical composition, toxicity and larvicidal and antifungal activities of Persea americana (avocado) seed extracts. Leite JJ(1), Brito EH, Cordeiro RA, Brilhante RS, Sidrim JJ, Bertini LM, Morais SM, Rocha MF. Author information: (1)Centro Especializado em Micologia Médica, Universidade Federal do Ceará, Fortaleza, CE. jgiffoni@yahoo.com.br

Chemical composition, toxicity and larvicidal and ...

Avocado (Persea americana) is found in different parts of Africa. Fruit, pits, leaves, and the actual plant, though generally harmless to humans, are all poisonous to some species of animals, especially birds, causing cardiac distress and ultimately heart failure. The toxic principle is persin, a fungicidal fatty acid.

Persea Americana - an overview | ScienceDirect Topics

The chemical composition of P. americanaleaf, fruit and seed was investigated. The results obtained showed that the investigated samples contain phytochemicals such as phenols, saponins, and flavonoids in appreciable quantities. Proximate content revealed that the fruit of P.americana contains more of fat and energy; seed, more of fat, protein and energy and the leaf, more of protein, fibre, and ash.

CHEMICAL COMPOSITION OF PERSEA AMERICANA LEAF, FRUIT AND SEED

In industrial processing of the avocado (Persea americana Mill.) fruit only the pulp is used, resulting in thousands of tons of seeds as a waste by-product. Chemical and technological characterizations were done on fiber residues produced with one of two fiber extraction methods: Method A, using NaHSO 3 ; and Method B, using NaHSO 3 , NaCl and tris-hydroxymethyl-aminomethane.

Chemical and technological properties of avocado (Persea ...

Avocado oil is an edible oil pressed from the fruit of the Persea americana ().As a food oil, it is used as an ingredient in other dishes, and as a cooking oil. It is also used for lubrication and in cosmetics, where it is valued for its supposed regenerative and moisturizing properties.. It is pressed from the fleshy pulp surrounding the avocado pit and not the pit itself.

Avocado oil - Wikipedia

The current study was designed to evaluate the possible preventive effects of avocado (Persea americana) fruit and seed hydroethanolic extracts on diethylnitrosamine/2-acetylaminoflurine (DEN/2AAF...

(PDF) Chemical composition, toxicity and larvicidal and ...

The chemical composition of Persea americana pulp and seed was investigated. Edible and non-edible parts of the fruits (pulp and seeds) were compared considering their possible role in improving the sustainability of the food and pharmaceutical

Evaluation of the chemical composition of Persea americana ...

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Chemical Composition Of Persea Americana Leaf Fruit And Seed

However, at the same time, it may be of interest to industry as a source of bioactive compounds. Its chemical composition is comprised of phytosterols, triterpenes, fatty acids, and two new glucosides of abscisic acid [4

Acute Toxicity and Genotoxic Activity of Avocado Seed ...

The anti-cancer or anti-carcinogenic properties of Avocado is attributed to the presence of bioactive chemical components like terpenoids, carotenoids, D-mannoheptulose, phenols, persenone A and B, and glutathione, where glutathione is a tripeptide that consists of three amino acids namely glycine, glutamic acid and cysteine.

Chemical constituents of Avocado Oil | Essential Oil

Chemical composition, toxicity and larvicidal and antifungal activities of Persea americana (avocado) seed extracts. The present study had the aim of testing the hexane and methanol extracts of avocado seeds, in order to determine their toxicity towards Artemia salina, evaluate their larvicidal activity towards Aedes aegypti and investigate their in vitro antifungal potential against strains of Candida spp, Cryptococcus neoformans and Malassezia pachydermatis through the microdilution technique.

(PDF) Chemical composition, toxicity and larvicidal and ...

Persea americanaMill. (Lauraceae) is an edible fruit commonly known as aguacate(avocado) that grows throughout the tropics. [1-5]. The seeds of P. americanaused alone or mixed with other species, such as Psidium guajava, Mentha piperitaor Ocimum basilicum, are mainly employed for the treatment of diarrhea.

Antiprotozoal and antimycobacterial activities of Persea ...

Abstract Avocado (Persea americana Mill.) is a good source of bioactive compounds such as monounsaturated fatty acids and sterols. The impact of minimal processing on its health-promoting attributes was investigated. Avocados cut into slices or halves were packaged in plastic bags under nitrogen, air, or vacuum and stored at 8 °C for 13 days.

Fatty Acids, Sterols, and Antioxidant Activity in ...

The main results revealed the presence of secondary metabolites such as phenols and tannins in all extracts. However, the aqueous extracts had higher phenol content (1337.18 mg/100 g) as compared to the hydroethanol extracts (561.5 mg/100 g).

Effect of aqueous and hydroethanolic extracts of avocado ...

Avocado (Persea americana Mill.) fruit has been widely known as functional fruit due to its bioactive compounds having the beneficial effects to human health, including vitamin C, vitamin E, carotenoids and phenolics compounds 12.