

Biological Activity Of Cymbopogon Citratus Dc Stapf And

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Biological Activity Of Cymbopogon Citratus

Studies indicate that Cymbopogon citratus possesses various pharmacological activities such as anti-amoebic, antibacterial, antidiarrheal, antifilarial, antifungal and anti-inflammatory properties. Various other effects like antimalarial, antimutagenicity, antimycobacterial, antioxidants, hypoglycemic and neurobehaviorial have also been studied.

Scientific basis for the therapeutic use of Cymbopogon ...

Chemical characterization and in vitro biological activity of Cymbopogon citratus extracts against Haemonchus spp. and Trichostrongylus spp. nematodes from sheep Parasitology. 2020

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Aug 3;1-29. doi: 10.1017/S0031182020001432. Online ahead of print. Authors Letícia Oliveira ...

Chemical characterization and in vitro biological activity

...

Cymbopogon citratus (lemongrass) EO is a potent antimicrobial and antioxidant natural bioproduct widely used in food preservation as an alternative to synthetic compounds (Boukhatem et al., 2014; Ekpenyong and Akpan, 2015).

Cymbopogon citratus - an overview | ScienceDirect Topics

Phytochemical investigation of the leaves of Cymbopogon citratus led to the isolation of 10 compounds (1-10), including one known triterpene, cymbopogonol (1). The absolute configurations of 1 were determined by X-ray crystallography of the corresponding p-bromobenzoate derivative (1a). Compound 1 showed pancreatic lipase inhibitor activity in vitro and reduced serum triglyceride levels in mice ...

Cymbopogonol from Cymbopogon citratus and Its Biological ...

Ethnopharmacology, phytochemistry, and biological activities of Cymbopogon citratus (DC.) Stapf extracts. Cymbopogon citratus is a widely distributed perennial herb belonging to the Poaceae family and has been extensively consumed for its medicinal, cosmetic, and nutritional effects for centuries. A large number of reports have been published describing the pharmacological, biological, and therapeutic a ...

Ethnopharmacology, phytochemistry, and biological ...

The phytochemical analysis of the ethanolic extracts of cymbopogon citratus indicates that it has alkaloids, saponins, tannins, anthraquinones, steroids, phenols and flavonoids.

(PDF) Chemical Compositions, Phytochemical Constituents ...

The free radical scavenging activity of the synthesized silver nanoparticles of C. citratus was studied by its ability to reduce the DPPH, which is a stable free radical. Any molecule that can donate an electron or hydrogen to DPPH can react with it and

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thereby bleach the DPPH absorption.

Green synthesis, characterization and biological ...

Various studies have shown that *C. citratus* is used in herbal medicine worldwide for a wide range of applications, including antibacterial, antifungal, antiprotozoal, anti-carcinogenic, anti-inflammatory, antioxidant, cardio-protective, antitussive, antiseptic, and anti-rheumatic activities [2-8].

Ethnopharmacology, phytochemistry, and biological ...

Cymbopogon citratus and *C. nardus* are noteworthy among the several existing plant species displaying medicinal properties, due to the potential pharmacological activity of these species, including antiviral, antibacterial, antifungal and anti-trypansomal activities.

Cytotoxicity and antiviral activity evaluation of ...

Essential oils from *Mentha piperita*, *Cymbopogon citratus*, *Rosmarinus officinalis*, *Peumus boldus* and *Foeniculum vulgare* were extracted by hydrodistillation, chemically characterized and quantified by GC/MS and GC/FID. The principal components in the essential oil of *M. piperita* (carvone and limonene), *C. citratus* (geranial, neral and myrcene), *R. officinalis* (1,8-cineole, camphor and α -pinene ...

Characterization of the Biological Potential of the ...

The synthesized AgNPs in suspension showed activity against both gram-positive and gram-negative bacteria, with minimum inhibitory concentrations (MICs) in the range of 31.25-62.5 $\mu\text{g ml}^{-1}$. In summary, the synthesized AgNPs possessed an acceptable size and shape.

Green synthesis, characterization and biological ...

Cymbopogon citratus (DC) Stapf (lemongrass) is a medicinal and aromatic plant with therapeutic activity, broadly cultivated and used worldwide (Ekpenyong et al., 2015). *Cymbopogon citratus* belongs...

Ethnopharmacology, phytochemistry, and biological ...

is based on surveys of popular accounts of the biological activity

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against nematodes. *Cymbopogon citratus*, family Poaceae, was reported in an ethnoveterinary study as having anthelmintic activity (RITTER et al., 2012). Infusions or decoctions of dry leaves have been utilised as stomachic, antifever, antiseptic, carminative

Anthelmintic activity of *Cymbopogon citratus* against ...

Cymbopogon Citratus Protects Against the Renal Injury Induced by Toxic Doses of Aminoglycosides in Rabbits - PubMed. Renal injury is the most common side-effect of aminoglycosides. These antimicrobial drugs are particularly effective against Gram-negative microorganisms. The present study was conducted to investigate the renal protective activity of *Cymbopogon citratus* in gentamicin-induced nephrotoxicity.

***Cymbopogon Citratus* Protects Against the Renal Injury ...**

The phytochemical analysis of the ethanolic extracts of *cymbopogon citratus* indicates that it has alkaloids, saponins, tannins, anthraquinones, steroids, phenols and flavonoids.

CiteSeerX — Chemical Compositions, Phytochemical ...

The composition of the essential oils of *Cymbopogon citratus* and *C. giganteus* from Mali and the Ivory Coast were determined by GC and GC/MS, and they were found to contain 19 and 27 constituents, respectively. *C. citratus* oil from Mali contained a high proportion of citral (approx. 75%) (geranial/neral ca 2/1), some myrcene (6.2–9.1%) and geraniol (3.0–5.6%).

Aromatic Plants of Mali (IV): Chemical Composition of ...

Effects of 24-epibrassinolide in volatile constituents and biological activity of essential oils of *Cymbopogon citratus* and *Cymbopogon flexuosus* (Poaceae) ... The antiproliferative activity was confirmed in the essential oil of the four groups, controls and treatments for both species, with effective anti-proliferative activity against tumor ...

Effects of 24-epibrassinolide in volatile constituents and

...

C. citratus essential oil and carvacrol have shown an antitumor effect on breast tumor cell lines; the main objective of this

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research was to evaluate the antitumor effect of the essential oil of Cymbopogon citratus (EOCc) and carvacrol on 7,12-dimethylbenz [a] anthracene (DMBA)-induced [...]

Molecules | Special Issue : Biological Activities of ...

Anti-Inflammatory Activity of the Essential Oil Citral in Experimental Infection with *Staphylococcus aureus* in a Model Air Pouch. Vol. 2017, 1.

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