Biological Activity Of Cymbopogon Citratus Dc Stapf And

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Biological Activity Of Cymbopogon Citratus

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

Lemongrass, Cymbopogon citratus (DC. Stapf.), a plant native to India and Sri Lanka, has antifungal, anti-inflammatory and anti-protozoa properties.
Bioactivity of the Cymbopogon citratus (Poaceae) essential ...
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 results obtained suggest the good potential of C. citratus as
both antifeedant and fumigant toxic agent against D. porcellus.
While, C. nardus essential oil could be recommended as
repellent. However, further studies are required to evaluate the
insecticidal activity of both Cymbopogon essential oils under
farmers’ storage conditions and to develop a good formulation
as biopesticide.

**Bioactivity of essential oils of Cymbopogon citratus (DC ...**

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 ...**

[ABSTRACT] Cymbopogon citratus is a widely distributed perennial herb belonging to the Poaceae family and has been extensively consumed for its medicinal, cosmetic, and nutritional
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 ...

The phytochemical analysis of the ethanolic extracts of cymbopogon citratus indicates that it has alkaloids, saponins tannins, anthraquinones, steroids, phenols and flavonoids. Test for antibacterial activity using agar diffusion technique shows that antibacterial activity was active on S. typhi with Minimum Inhibitory Concentration (MIC) of 50 mg/ml but inactive on E. coli, L. monocytogenes and S. aureus.

Chemical compositions, phytochemical constituents and in ...

Ethnopharmacological relevance: The essential oil (EO) from Cymbopogon citratus (DC) Stapf is reported to have a wide range of biological activities and is widely used in traditional medicine as an infusion or decoction. However, despite this widely use, there are few controlled studies confirming its
biological activity in central nervous system.

The GABAergic System Contributes to the Anxiolytic-Like ...
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 ...
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 thereby bleach the DPPH absorption.

Green synthesis, characterization and biological ...
The biological activities of essential oils from three plants grown in Cameroon: Ocimum basilicum, Ocimum canum, and Cymbopogon citratus were tested against Plasmodium falciparum and mature-stage larvae of Anopheles funestus. Gas chromatography and gas chromatography - mass spectrometry analyses showed that

**Activity of Ocimum basilicum, Ocimum canum, and Cymbopogon ...**
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 ...**
Chemical characterization and in vitro biological activity of Cymbopogon citratus extracts against Haemonchus spp. and Trichostrongylus spp. nematodes from sheep. Parasitology.
Chemical characterization and in vitro biological activity

is based on surveys of popular accounts of the biological activity 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 ...

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 ...**
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 µg ml⁻¹. In summary, the synthesized AgNPs possessed an acceptable size and shape.

**Green synthesis, characterization and biological ...**
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 ...