

Antioxidant And Antimicrobial Properties Of Five Medicinal

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Antioxidant And Antimicrobial Properties Of

Based on the antioxidant, antimicrobial, and anticarcinogenic activities of this plant, it is widely used in medical industries [120,121,122,123]. Previous investigations have found cinnamon to have antimicrobial characteristics [124,125,126,127]. Cinnamon has been traditionally used for its antiseptic, antioxidant, and antimicrobial properties.

Antioxidant, Antimicrobial and Antiviral Properties of ...

While numerous pharmacological activities, including antioxidant and antimicrobial properties, have been attributed to curcumin, this article focuses on curcumin's anti-inflammatory properties and its use for inflammatory conditions. Curcumin's effect on cancer (from an anti-inflammatory perspective) will also be discussed; however, an ...

Anti-inflammatory properties of curcumin, a major ...

Essential oils of oregano are widely recognized for their antimicrobial activity, as well as their antiviral and antifungal properties. Nevertheless, recent investigations have demonstrated that these compounds are also potent antioxidant, anti-inflammatory, antidiabetic and cancer suppressor agents.

Essential Oils of Oregano: Biological Activity beyond ...

Our results suggest that *A. jacquemontii* is a potential source of antioxidant and antimicrobial agents and could be used as a natural antioxidant and preservative in food and non-food systems. Further phytochemical analysis is required to isolate the elements of the plant that show a broad spectrum of pharmacological activity.

Determination of total phenolic and flavonoid content ...

In vitro, peppermint has significant antimicrobial and antiviral activities, strong antioxidant and antitumor actions, and some antiallergenic potential. Animal model studies demonstrate a relaxation effect on gastrointestinal (GI) tissue, analgesic and anesthetic effects in the central and peripheral nervous system, immunomodulating actions ...

A review of the bioactivity and potential health benefits ...

Melaleuca is one of the genera of the Myrtaceae family enriched in tea tree oil (TTO). Tea tree oils of *Melaleuca bracteata* and *Melaleuca alternifolia* are of prime importance and have antioxidant and antimicrobial properties. Terpinen-4-ol and 1-8 cineole are major constituents of *M. alternifolia* oil. The percentages of the compounds in the oils can slightly vary according to the region of ...

River Tea Tree Oil: Composition, Antimicrobial and ...

We investigated the aqueous and ethanolic extracts of different forms (local names: mura and chora) of turmeric (*Curcuma longa*) from the Khulna and Chittagong divisions of Bangladesh for their antioxidant properties and polyphenol, flavonoid, tannin, and ascorbic acid contents. The antioxidant activity was determined using the 1,1-diphenyl-2-picrylhydrazyl (DPPH) free radical-scavenging ...

Antioxidant Properties of Popular Turmeric (*Curcuma longa* ...

Medicinal plants contain several phytochemicals such as flavonoids, alkaloids, tannins, and terpenoids, which possess antimicrobial and antioxidant properties (Talib and Mahasneh, 2010). The antimicrobial activities of some plant species have been widely researched.

Frontiers | Antimicrobial Properties and Mechanism of ...

Chamomile's efficacy is due to its antiinflammatory, antioxidant, antimicrobial, antinociceptive, analgesic, anxiolytic, sedative, and antispasmodic properties. The most important constituents contributing to chamomile's beneficial effects are terpenoids, such as chamazulene and bisabolol; and flavonoids, including apigenin, luteolin, and ...

Chamomile - an overview | ScienceDirect Topics

Comparison of green and chemical precipitation method syntheses of zinc oxide nanoparticles (ZnO NPs) was performed, and antimicrobial properties were investigated. Avocado, mango, and papaya fruit extracts were carried out for the green synthesising methods, while the chemical precipitation method was chosen from chemical synthesis methods. Zinc nitrate was used as a salt precursor, whereas ...

Green versus Chemical Precipitation Methods of Preparing ...

Furthermore, a test-tube study compared the antimicrobial activity of oregano, sage and thyme essential oils. Oregano was one of the most efficient essential oils against bacteria, second to thyme ...

6 Science-Based Health Benefits of Oregano

Annatto is a natural food additive that has been linked to various benefits, including reduced inflammation, improved eye and heart health, and antioxidant, antimicrobial, and anticancer properties.

What Is Annatto? Uses, Benefits, and Side Effects

Biocera has been a firmly recognized company provides a wide range of Alkaline water purifier machine, Biocera Ro Purifier and Antioxidant alkaline water purifier Supplier since 1994 at the best price.

Antioxidant Hydrogen Alkaline Healthy Water Solution ...

It has antimicrobial, antioxidant and antifungal properties. Eucalyptus essential oil can help relieve the airways during a cold or flu . It is often combined with peppermint.

Aromatherapy: Uses, benefits, oils, and risks

Phenolic extracts of *Clinopodium nepeta* were prepared and their preliminary phenolic profiles determined using HPLC-DAD with 26 phenolic standards. Apigenin ($21.75 \pm 0.41 \mu\text{g/g}$), myricetin ($72.58 \pm 0.57 \mu\text{g/g}$), and rosmarinic acid ($88.51 \pm 0.55 \mu\text{g/g}$) were the most abundant compounds in DCM (dichloromethane), AcOEt (ethyl acetate), and BuOH (butanol) extracts, respectively.

Plants | Free Full-Text | Chemical Composition, Anti ...

Properties Acidity. Phenols are more acidic than typical alcohols. The acidity of the hydroxyl group in phenols is commonly intermediate between that of aliphatic alcohols and carboxylic acids (their pK_a is usually between 10 and 12). Deprotonation of a phenol forms a corresponding negative phenolate ion or phenoxide ion, and the corresponding salts are called phenolates or phenoxides ...

Phenols - Wikipedia

The health benefits of sage essential oil can be attributed to its potential properties as an antifungal, antimicrobial, antioxidant, antiseptic, anti-inflammatory, antispasmodic, antibacterial, cholagogic and choloretic, cicatrizant, depurative, digestive, disinfectant, emmenagogue, expectorant, febrifuge, laxative, and a stimulating substance.. Sage, or *Salvia officinalis*, as it is known in ...

17 Surprising Benefits of Sage Essential Oil | Organic Facts

How Lauric Acid Works in the Body. Lauric acid is most well-known for its antimicrobial properties, since it's the precursor to monolaurin, a more powerful antimicrobial agent that is able to fight viruses and bacterial infections. When lauric acid is digested, certain enzymes within the digestive tract form the valuable type of monoglyceride called monolaurin.

Lauric Acid Benefits: Fight Acne, Infections & More - Dr. Axe

The antimicrobial, hypolipidemic, antioxidant, and antithrombotic effects that have been attributed to garlic are thought to be related to allicin and other breakdown products.

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