

Antimicrobial Activity Of Essential Oils Extracted From

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Antimicrobial Activity Of Essential Oils

Thus, this study aimed to investigate the antimicrobial activity of twenty-seven essential oils (EOs) used in aromatherapy procedures, a natural therapy with great emphasis currently used against ...

(PDF) Antimicrobial activity of essential oils

Various publications have documented the antimicrobial activity of essential oils and plant extracts including rosemary, peppermint, bay, basil, tea tree, celery seed and fennel (Morris et al. 1979 ; Ross et al. 1980 ; Yousef & Tawil 1980; Hili et al. 1997 ; Lis-Balchin & Deans 1997). Oils such as sweet almond, carrot and mandarin ...

Antimicrobial activity of essential oils and other plant ...

Summary Generally, according to biosynthetic origin, the components of essential oils are divided in two groups, including terpene origin compounds and aromatic constitutes. Essential oils have ant...

Antimicrobial Activity of Essential Oil - Essential Oils ...

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Antimicrobial Activity of Some Essential Oils-Present ...

Of late, there is a rapidly growing demand of environmental friendly, safe preservatives for food preservation because some of the traditional food preservation techniques have undesirable effects ...

(PDF) Antimicrobial activity of essential oils

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Antimicrobial activity of essential oils against ...

J. Michiels, J.A.M. Missotten, D. Fremaut, S. de Smet, N.A. DierickIn vitro characterisation of the antimicrobial activity of selected essential oil components and binary combinations against the pig gut flora

Antimicrobial activity of essential oils and five ...

Affiliation 1 Key Laboratory of Forest Plant Ecology, Ministry of Education, Northeast Forestry University, Harbin 150040, P. R. China.

Antimicrobial activity of clove and rosemary essential ...

The MIC's of the tested essential oils were determined by the Clinical Laboratory Standards Institute's method of broth microdilution (3). The MIC's were determined by

The Evaluation of Essential Oils for Antimicrobial Activity

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Antimicrobial activity of essential oils and other plant ...

The antibacterial activity of 14 essential oils and their major constituents in the gaseous state was evaluated against Haemophilus influenzae, Streptococcus pneumoniae, Streptococcus pyogenes and Staphylococcus aureus. For most essential oils examined, H. influenzae was most susceptible, followed by S. pneumoniae and S. pyogenes, and then S. aureus.

Antibacterial activity of essential oils and their major ...

The essential oil presented bacteriostatic and bactericidal activities, mainly against Staphylococcus aureus, Bacillus cereus and Pseudomonas aeruginosa, and also fungistatic and fungicidal activities. However, its antibacterial activity was more effective than the antifungal one by using the essential oil at lower concentrations.

Frontiers | Antimicrobial Activity of Essential Oil of ...

In particular, antimicrobial activities of essential oils have formed the basis of many applications, including raw and processed food preservation, pharmaceuticals, alternative medicine and natural therapies (Bozin, Mimica-Dukic, Simin, & Anackov, 2006).

Antibacterial activity of some Lamiaceae essential oils ...

The antibacterial activity of the oils was expressed as minimum inhibitory concentrations (MICs). All oils showed good antibacterial activity against both Gram-negative and Gram-positive bacteria. The MICs for selected oils ranged 15–250 µg/mL. The lowest MICs were 15 µg/mL and 20 µg/mL against Xanthomonas citri strains, respectively.

Antibacterial and Antioxidant Activity of Essential Oils ...

caryophyllene oxide (5.8%), camphene (5.3%) and borneol (3.4%). The antimicrobial activities of both oils were evaluated against five microorganisms with the disc diffusion test, the broth micro-dilution method and a semiquantitative bioautographic test. The most sensitive microorganisms for P. cylindraceus oil

Chemical composition, antimicrobial, antioxidant and ...

Thyme and origanum essential oils demonstrated the highest antimicrobial activity with MICs ranging from 256 to 512 µg/mL. The phenolic monoterpene carvacrol [2-Methyl-5- (1-methylethyl) phenol] is a major component of the essential oils of Origanum and Thymus plants. MICs of carvacrol ranged from 64 to 256 µg/mL.

Frontiers | Antimicrobial activity of essential oils and ...

In this work, the antimicrobial activity of essential oils from aromatic species used in Brazil was previously evaluated by bioautographic assay that allows identification of oils active fractions. The trifenil tetrazolium chloride indicates cellular growth, once alive cells turn red.

Composition and antimicrobial activity of essential oils ...

The antimicrobial activity of essential oils of Cymbopogon citratus, Clausena anisata, Citrus aurantifolia and Eucalyptus camaldulensis was tested in vitro on two gram positive bacteria (Micrococcus luteus, Staphylococcus aureus), two gram-negative bacteria (Pseudomonas aeruginosa, Proteus mirabilis) and the yeast Candida albicans.