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Lemongrass: A Review on its Botany, Properties, **Applications and Active Components:**

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Abstract: Lemon grass (Cymbopogon citratus) is a member of the Poaceae family. It is a medicinal plant containing compounds that can control pathogens and enhance the plant's resistance to diseases. Lemongrass is widely used in herbal teas, non-alcoholic beverages, baked goods, and confections. Essential oil extracted from lemongrass is commonly used as a fragrance in perfumes and cosmetics like creams and soaps. This essential oil is rich in citral, which serves as a source for producing betacarotene and vitamin A. Due to its various chemical constituents, lemongrass oil finds applications in the pharmaceutical industry for its antidepressant, analgesic, antipyretic, bactericidal, antiseptic, carminative, and astringent properties

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