



Antifungal Potential of Coriander Seed Essential Oil and its Constituents

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Abstract: Forty one compounds were identified, which constituted approximately 98% of the coriander seed essential oil. The major components were linalool (75.2%), geraniol (5.24%), geranyl acetate (4.98%), camphor (1.76%), α -pinene (1.67%) and limonene (1.49%). The antifungal activity of the coriander seed essential oil, its fractions and isolated compounds was evaluated against plant pathogens *Alternaria triticina* and *Bipolaris sorokiniana* using spore germination technique. ED₅₀ and ED₉₀ values for all components against the tested fungi were observed in the range 0.565-1.0 and 1.5-2.6 mg mL⁻¹, respectively.

Key Words: Antifungal activity, *Coriander sativum*, Essential oil, Hydrodistillation, Linalool
