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Antifungal activity of *Zataria multiflora* extract on candida species isolated from oral candidiasis: For healthcare

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Yeasts including *Candida* species are also found in oral cavity as normal flora. Within the past two decades azole-resistant *Candida* species are among the main pathogens responsible for oral infections (1-3). On the other hand, most of these synthetic antimicrobial products have some adverse effects, which make them less popular. Hence, the aim of this study was to evaluate the antifungal properties of *Zataria Multiflora* extract against *Candia* species. In this study, we assessed the activities of *Zataria Multiflora* leaf extracts against *Candida* species, including *C. albicans*, *C. glabrata*, *C. tropicalis*, using the agar-well diffusion method. The minimal inhibitory concentrations (MICs) values of fruit and leaf extracts from *Zataria Multiflora* leaf extract ranged 1.56-12.5 mg/ml against the tested *Candida*. Based on the results, the ethanolic extracts of the selected plants exhibited antifungal potency against the tested fungi and could be used as alternative natural antifungal agent and recommended to be used in formulation of herbal mouthwash and toothpaste in future researches.

Biography

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