Antimicrobial Activities of Ferulago Essential Oils

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Ferulago sp., Essential Oil, Antimicrobial Activity

Essential oils from Ferulago asparagifolia Boiss., F. galbanifera (Miller) W. Koch, F. humilis Boiss. (Endemic), F. trachycarpa Boiss. growing in Turkey were evaluated against 15 microorganisms for their antifungal and antibacterial activity using an agar tube dilution and micro-dilution broth susceptibility assay, respectively. The essential oil compositions were investigated by GC/MS. Inhibitory effects against Escherichia coli, Enterobacter aerogenes, Candida albicans, Gaeumannomyces graminis var. tritici, Sclerotium rolfsii and Fusarium moniliforme were remarkable. Results are discussed in comparison with the chemical composition of the essential oils.