BIORARE 2014

The Third International Symposium on Biology of Rare and Endemic Plant Species

19-23 April 2014 Antalya, Turkey

PP4: ESSENTIAL OIL COMPOSITION OF ENDEMIC *Sideritis dichotoma* HUTER (Lamiaceae) FROM TURKEY

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The genus *Sideritis* is represented with the 45 species and some subspecies in Turkey flora. The genus patterns are used as medicinal and herbal plants all over the world and Turkey. The plant is showed a strong antioxidant activities and it has diuretic effect. In this study, the chemical composition of essential oil obtained by hydrodistillation of *Sideritis dichotoma* Huter was investigated by GC and GC-MS. The essential oils yield is 0.3 (v/w). Fourty constituents were comprised the 96.7 % of the total essential oil extracted from the Sideritis dichotoma. The predominant compounds of plant were determined as beta-pinene (28.5%), alpha-pinene (22.5%), limonene (4.6%), alpha-terpinene (4.5%). The results were discussed with the genus patterns in means of chemotaxonomy and natural products.

Keywords:*Sideritis dichotoma*, GC-MS, eEssential oil, beta-Pinene, alpha-Pinene.
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