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A Study on The Autecology of Dorema Kopetdaghense Pimenov (Apiaceae) in Khorasan Razavi Province

ارسال شده توسط

سعیده شفیعی نیک ، حمید اجتهادی

در سومین **کنگره ملی گیاهان دارویی** که در روزهای ۲۴ و ۲۵ اردیبهشت ماه سال ۱۳۹۳ در دانشگاه فردوسی مشهد برگزار گردید، به صورت پوستر ارائه شده است.

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A STUDY ON THE AUTECOLOGY OF *DOREMA KOPETDAGHENSE* PIMENOV (APIACEAE) IN KHORASAN RAZAVI PROVINCE

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Dorema kopetdaghense Pimenov is one of the seven species of the genus *Dorema* (Apiaceae) which in *Flora Iranica* (Rechinger, 1987) treated as a synonym of *D. hyrcanum* Koso-Pol. Phylogenetic analysis of nrDNA ITS sequences showed that these two species should be retained as separate species (Ajani et al, 2008). Since the two species, *D. ammoniacum* D. Don and *D. aucheri* Boiss., are a part of valuable Iranian medicinal plants and also for the other species of this genus, medicinal properties have mentioned, it is likely that the *D. kopetdaghense* would be a valuable medicinal plant which its properties is almost unknown. In this study; the ecological, anatomical and phenological properties of *D. kopetdaghense* were investigated. At first, based on the previous studies, the distribution of the plant was identified and three regions, viz. dorbadam, karimabad and kalat were chosen. Climate, soil characteristics, and topography of the habitat, along with cover, density, frequency, associated species and regeneration strategy and phenology of the species were investigated and anatomical properties of root, stem and leaves were studied. The soil texture of the habitat was Sandy Clay Loam, Sandy Loam, Loamy Sand, Loam and Clay Loam. EC and pH values of the soils were 0.67-1.03 dS/m and 7.48-7.73, respectively. Vegetative growth started in the late March followed by flowering in June and seed ripening in July. Plant reproduction is done mainly through seeds.