

NEW RECORDS FOR SOME RARE AND PROTECTED VASCULAR PLANTS FROM BULGARIAN FLORA

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New records for some rare and protected vascular plants from Bulgarian flora; Proceeding of 6th Symposium on Flora of the Southeastern Serbia, Sokobanja, 2000: 57-59.

New records about 10 vascular plants from the Bulgarian flora is mentioned: *Anemone sylvestris* L., *Ranunculus stojanovii* Delip., *Sedum aetense* Tineo, *Potentilla regis-borisii* Stoj., *Chamaecytisus kovacevii* (Vel.)Rothm., *Onobrychis degenii* Dorfl., *Astrodaucus littoralis* (M.B.)Drude, *Sium sisarum* L., *Heptaptera triquetra* (Vent.) Tutin, *Nepeta parviflora* M.B.

Among them are 3 Bulgarian endemics, 3 Balkan endemics, 3 are threatened with extinction, 5 are rare and 4 are protected by law. The herbar materials are preserved in the herbarium of Sofia University "St. Kliment Ohridski" (SO).

INTRODUCTION

During the examination of different regions in Bulgaria during the period 1999-2000 were found new localities for eight species. During the revision of herbar specimens of University of Sofia "St. Kliment Ohridski" were found two new localities of one species threatened with extinction and one Balkan endemic.

MATERIALS AND METHODS

The plant species were identified followed the Flora Republicae Bulgariae, vol. 1 -10 and A key of Bulgarian vascular plants (Кожухаров (per.), 1992).

RESULTS AND DISCUSSION

Anemone sylvestris L., Western Stara Planina Mt, Ponor Mt: over calcareous place by Dubravishka Skaklia waterfall, 900 m a.s.l., after the fountain, 07.05.2000, SO - 100370.

The species is protected by law, with rare category. From this part of Stara Planina Mt. is known from Chepan and Belidie han (Коева, 1984).

Ranunculus stojanovii Delip. Central Rhodopes Mts.: single individuals over herbaceous and rocky places on the road to the village of Latinka, Ardino district, 01.05.1999, SO-99931. This bulgarian endemic is threatened with extinction with rare category. It is known from Western Rhodopes Mts. (Делинавлов, 1984).

Sedum aetnense Tineo Central Rhodopes Mts. over sandy herbaceous spots of a silicate place beneath the village of Galabovo above the Arda river; forms open groups, 30.04.1999. A rare specimen, reported in European register of the rare, threatened with extinction and endemic species, with rare category. It's known from the Rhodopes Mts. for Eli dere and Struma valley, Pirin Mt, Thracian plain (Чешмеджиев, 1984) and Slavjanka Mt. (Пашалиев, Димитров, 1995).

Potentilla regis-borisii Stoj. Central Rhodopes Mts: over silicate rocks on the left side of Arda river near the Devil - bridge (Diavolskia most), 01.05.1999 singly to be found, SO -99949. This Bulgarian endemic is known from Struma valley, Northern Pirin Mt., Rila Mt., Western and Central Rhodopes Mts. (Маркова, 1992).

Chamaecytisus kovacevii (Vel.) Rothm. Danube plain: in compound deciduous forests in the region of Yakovi dramki over the right steep slope of Tzibritsa river by the village of Dalgodeltsi, 16.05.2000, SO - 100374. This bulgarian endemic is protected by law with rare category (Кузманов, 1984).

Onobrychis degenii Dorfl. Stargach Mt.: rocky places near the ridge, 1000 m a.s.l., 04.06.1980, SO - 100340. This Balkan endemic is known from Eastern Stara Planina Mt., Mesta valley and Central and Eastern Rhodopes Mts. (Кожухаров, 1992).

Astrodaucus littoralis (Bieb.) Drude Black Sea coast oblong the periphery of Shablenska Tuzla on north-east of Dobrudzha camp by reeds 19.06.2000, SO - 100382. Protected by law and threatened with extinction. Known as yet from Varna and the mouth of Veleka river by the village of Sinemoretz (Кожухаров, 1984) and Kartal burun by the swamp of Durankulak (oral report by Ch. Gussev). It does not form orders but is found in a small groups of 5 - 6 individuals.

Sium sisarum L. Varna: in uliginosis ad Gebedze, 21.09.1889, SO - 54786; along the dense forest round the mouth of Batova river, near the Albena resort, 11.07.1967, SO -54791. Threatened with extinction, reported by Velenovsky (1891).

Heptaptera triquetra (Vent.) Tutin Eastern Stara Planina Mts.: Terziiski bair above the village of Venetz, Karnobat district, the sanctuary "Lalikoto" above Domuz dere beneath Krasta peak, 300 m a.s.l. over calcareous rocky place (form orders), 01.06.1999, SO - 99903. This Balkan endemic is with rare category (Асенов, 1984).

Nepeta parviflora M.B. Black Sea coast: over herbaceous calcareous places on the south of the town of Kavarna between Chirakman and the village of Bozuretz, 19.06.2000, SO - 100384. This species is threatened with extinction with rare category and is known from the Black sea coast - Balcik and Strandzha (Генова, 1984).

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