

New chorological data on the vascular flora of Bulgaria from the collection of asst. prof. Panayot Panov

Dimitar Dimitrov, Vassil Vutov

National Natural History Museum, Sofia, Bulgaria

Abstract:

Dimitar Dimitrov, Vassil Vutov: New chorological data on the vascular flora of Bulgaria from the collection of asst. prof. Panayot Panov. Proceeding of the 8th Symposium on Flora of Southeastern Serbia and Neighbouring Regions, Niš, 2005.

The collection of Asst. Prof. Panayot Panov was handed over to the National Natural History Museum by the Institute of Botany at the Bulgarian Academy of Science in 2003. The plants are well preserved. During the inventory, a number of 30 new deposits from different floristic regions in Bulgaria were established. Some of the species are conservation important. The protected species are *Stefanoffia daucooides* (Boiss.) H. Wolff., *Heptaptera triquetra* (Vent.) Thrin., *Silene graeca* Boiss. et Spruner, and *Edrajanthus serbicus* (A. Kerner) Petrovic. The Balkan endemics are *Seseli rhodopaeum* Velen., *Bupleurum apiculatum* Friv., and *Campanula scutellata* Griseb. The Bulgarian endemic is *Silene velenovskyana* Jordanov et Panov. The herbaria are deposited at the Herbarium of the Institute of Botany at BAS (SOM). They were determined according to Jordanov (1963, 1982), Velchev (1989), Kozuharov and Kumanov (1995), and Kozuharov (1992).

Key words: vascular flora, new data, species.

Results and discussion

List of plants

Polygonaceae

7010.29500. *Rumex stenophyllus* Ledeb. FN-39

Sofia: in herbaceous places by the National Palace of Culture, 31.07.1986. Lozenetz, 26.07.1986. This species has been known so far from the Danubian Plain: marshlands between Svishtov and Vardim (Valkanov, 1955) and the Black Sea Coast.

7010.29460.6300. *Rumex patientia* L. subsp. *orientalis* Bernh. et Dans. NG-78, LG-15

South Black Sea Coast: the bay of Tzarevo town, 18.06.1986.

Central Rhodope Mountains: Assenovgrad, 05.07.1987. This species has been known so far

from Northeastern Bulgaria, the Danubian Plain, and Thracian Plain.

7010.29480. *Rumex sanguineus* L. FN-30

Struma Valley: the town of Zemen, 19.07.1987. This species has been known so far from the Black Sea Coast, Northeastern Bulgaria, Stara Planina Mountains, Sofia Region, Vitosha, Rila, and Strandzha (Andreev, 1992).

Papaveraceae

3440.14220. *Fumaria schleicheri* Soy.-Will. FN-97, FN-75, GN-24, FN-99, LH-47

West Stara Planina Mountains: the village of Lakatnik, 16.04.1966. Beledie Han, 24.05.1969.

Sarantzi, the asphalt plant, 04.05.1971. "Vrattzata", 07.05.1971. Sevlievo, 04.05.1971. This species

occurs in a total of 14 floristic regions (Andreev, 1992).

Caryophyllaceae

7510.32230. *Silene densiflora* D'Urv. FN-25

West Stara Planina Mountains: Beledie Han. Urumov (1905) reported the species for the West Stara Planina Mountain, from Vitinya. This locality was not included in the Floras due to lack of herbaria. It is known from 2 floristic regions, The Black Sea Coast and the East Stara Planina Mountains. (Petrova, 1992).

7510.32160. *Silene graeca* Boiss. et Spruner FN-83

South Pirin: between the villages of Katunitza and Pirin, 24.05.1971. This Balkan endemic and protected species has been known from the Struma Valley (Petrova, 1992) and Slavyanka (Pashaliev, 1995).

7510.32270. *Silene roemerii* Friv. FL-79, LF-74

Belassitza: Above the village of Samuilovo, district of Petrich, 24.07.1977.

East Rhodope Mountains: between the villages of Nova Mahala and Fotinovo, 01.07.1967. This Balkan endemic was reported for the East Rhodope Mountains (Chal Mountain) by Urumov (1913). It has not been known so far for that region due to lack of herbaria.

7510.32280. *Silene velenovskiana* Jordanov et Panov FN-37

Ossogovo Mountain, 20.07.1981. This Bulgarian endemic has been known so far from the Znepole Region, Pirin, Rila, West and Central Rhodope Mountains (Petrova, 1992).

2690.11280.2830. *Dianthus petraeus* W. et K. subsp. *noeanus* (Boiss.) Tutin FN-49

Struma Valley: Skakavitza Station, 12.07.1987. This species and its subspecies have been known so far from Northeastern Bulgaria and the Stara Planina Mountains (Petrova, 1992).

2690.11290.2880. *Dianthus pinifolius* S. et S. subsp. *serbicus* Wetst. FN-74

Struma Valley: the town of Simitli, 29.06.1969. This species and its subspecies are new for that floristic region. The subspecies has been known from the Central Rhodope Mountains only (Petrova, 1992).

Urticaceae

6020.24450. *Parietaria diffusa* Mert. et Koch NH-33

East Stara Planina Mountains: Sliven Mountain, Magareshka River, Kavatzite area. This species has been known so far from the Black Sea Coast, Pre-Balkan, Thracian Plain, and Strandzha (Anchev, 1992).

Rosaceae

0600.02850. *Aphanes arvensis* L. GL-77

Struma Valley: the village of Klyuch, district of Petrich, 12.04.1979. This species has been known so far from 11 floristic regions (Markova, 1992).

Fabaceae

5150.21350. *Medicago constricta* Dur. LG-87

Thracian Plain: Dimitrograd, 20.06.1974. This species has been known so far from the South Struma Valley and South Pirin (Kozuharov, 1992).

2260.09850. *Corothamnus procumbens* (W. et K.) C. Presl. FN-97

West Stara Planina Mountains: Beledie Han, 16.05.1971. This species has been known so far from 8 floristic regions, including the Central Stara Planina Mountains (Kozuharov, 1992).

Apiaceae

1360.05440. *Bupleurum apiculatum* Friv. FN-89

Rila Mountain: Panichishte, 31.07.1973. This Balkan endemic has been uncertain for the flora of the Rila Mountain (Andreev, 1992).

1360.05430. *Bupleurum affine* Sadl. LG-14, MH-33

Central Rhodope Mountains: Chervenata Stena Reserve, 28.07.1967.

East Stara Planina Mountain: Sliven Mountain, Karandila, 08.08.1986. This species has been known so far from 9 floristic regions, but not from the Stara Planina and Rhodope Mountains (Andreev, 1992).

1360.05510. *Bupleurum gerardii* All. GL-90

South Pirin: above the village of Gorno Spanchevo, 15.07.1978. This species has been known so far from 6 floristic regions, but it is new for the flora of the Pirin Mountain (Andreev, 1992).

2090.09430. *Cnidium silaifolium* (Jacq.) Simk. FM-88

West Sredna Gora Mountain: Kokalyane, 01.08.1973. This species has been known from 6 floristic regions, Northeastern Bulgaria, the Pre-Balkan, West Border Mountains, North Pirin, and Rhodope Mountains (Peev, 1992).

3890.16210. *Heptaptera triquetra* (Vent.) Tutin NH-76

North Black Sea Coast: the town of Byala, 25.05.1972.

This conservation important species has been known so far from the Strandzha, South Black Sea Coast, Tundzha Hilly Region, and East Stara Planina Mountains (Andreev, 1992).

6170.24900. *Peucedanum austriacum* (Jacq.) Koch FN-77

Struma Valley: the town of Kocherinovo, 09.1964. This species was reported by Urumov (1906, 1935) for the flora of the Struma Valley.

6320.25270. *Pimpinella peregrina* L. FN-88

Rila Mountain: the Krainitzi swamp by the village of Krainitzi, 31.08.1973. This species has been known so far from the Black Sea Coast, Struma Valley, East Rhodope Mountains, Thracian Plain, and Tundzha Hilly Region (Andreev, 1992).

7430.31680. *Seseli peucedanoides* (Bieb.) Cos.-Poljan. GM-35, MH-33

East Stara Planina Mountains: Magareshka River, 02.09.1965.

North Pirin: beneath Yavorov Hut, 30.07.1973.

West Rhodope Mountains: the road to Velingrad, 29.07.1973. This species has been known from 5 floristic regions. It was reported by Urumov (1909) and Brizicky (1940) for the flora of the East Stara Planina Mountains.

7740.33170. *Stefanoffia daucoides* (Boiss.) H. Wolff. LF-99

East Rhodope Mountains: Krumovgrad, 07.06.1963. This conservation important species has been known from 3 floristic regions. For the East Rhodope Mountains, it has been known from the village of Mezek, district of Svilengrad (Kitanov, 1943).

Campanulaceae

1490.06100. *Campanula scutellata* Grsb. GM-11

South Pirin: between the village of Pirin and the Popovi Livadi area, 23.07.1981. This Balkan

endemic was reported by Velchev, Petrov, and Ganchev (1960) but not included in the flora of South Pirin due to unknown reasons.

1490.06120. *Campanula sibirica* L. GN-39

Pre-Balkan: the village of Resseletz, 23.05.7982. This species has been known so far from 6 floristic regions, but unknown for the flora of the Pre-Balkan (Andreev, 1992).

2940.12060. *Edrajanthus serbicus* (A. Kerner) Petrovic FN-71

South Vitosha: the village of Krapetz, 02.07.1969. This Balkan endemic has been known so far from the Znepole Region and West Border Mountains (Anchev, 1992).

Asteraceae

3510.14440. *Galinsoga ciliata* (Rafin) S. F. Blake. FN-97

West Stara Planina Mountains: Lakatnik, 16.07.1987. This apophyte has been known from the Thracian Plain, Sofia region, and Rila Mountain (Peev, 1992).

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