

**Plant types of Sándor Jávorka
in the Hungarian Natural History Museum in Budapest, IV.**

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Abstract – Thirty-six type sheets of 5 taxa described by SÁNDOR JÁVORKA has been designated by the author: 2 lectotypes (*Aconitum pantocsekianum* DEGEN et BALDACCI f. *koprivnikense* ANDRASOVSKY et JÁVORKA, *Veronica andrasovszkyi* JÁVORKA), 1 isolectotype (*Aconitum pantocsekianum* DEGEN et BALDACCI f. *koprivnikense* ANDRASOVSKY et JÁVORKA), 2 isotypes (*Festuca violacea* GAUDIN var. *korabensis* JÁVORKA ex MARKGRAF-DANNENBERG), 14 syntypes (*Aconitum pantocsekianum* DEGEN et BALDACCI f. *koprivnikense* ANDRASOVSKY et JÁVORKA, *Sanguisorba albanica* ANDRASOVSKY et JÁVORKA, *Peucedanum serpentini* ANDRASOVSKY et JÁVORKA, *Veronica andrasovszkyi* JÁVORKA), 7 paratypes (*Festuca violacea* GAUDIN var. *korabensis* JÁVORKA ex MARKGRAF-DANNENBERG), and 10 isoparatypes (*Festuca violacea* GAUDIN var. *korabensis* JÁVORKA ex MARKGRAF-DANNENBERG). Thirty-four of these were collected by J. ANDRASOVSKY, one by S. JÁVORKA and one by J. UJHELYI. With 4 figures.

Key words – ANDRASOVSKY, Balkan, flowering plants, herbarium, JÁVORKA, types.

INTRODUCTION

Most of the authentic material of flowering plant species described by SÁNDOR JÁVORKA is deposited in the herbarium of the Department of Botany, the Hungarian Natural History Museum in Budapest (BP). Altogether 99 of his type specimens were listed by DEZSŐ KOVÁTS in three parts (KOVÁTS 1998a, 1999, 2000). Recently, during extensive revisions and rearrangements of the “Herbarium Generale”, further types of JÁVORKA have been found. Those collected by JÓZSEF ANDRASOVSKY in the Balkan Peninsula in 1916–17 are presented in this paper. Two further types of the same taxa collected by other botanists are also added.

JÓZSEF ANDRASOVSKY, sponsored by the Hungarian Academy of Sciences, participated in a botanical expedition to the Balkan Peninsula in 1916–17. The flowering plant species of his collection were identified by SÁNDOR JÁVORKA, ANTAL PÉNZES, INGEBORG MARKGRAF-DANNENBERG and TAMÁS PÓCS, nevertheless some specimens of his collection remained unidentified. ANDRASOVSKY's

specimens from the Balkan are mentioned only in five protologues of new taxa described by JÁVORKA (cf. JÁVORKA 1921, MARKGRAF-DANNENBERG 1974, KOVÁTS 1998b). Though JÁVORKA obviously saw this unmounted collection, it was not annotated and identified at all.

After identification the specimens were compared with the protologue.

Abbreviations used in the text – i.n. = inventory number of the herbarium sheet (BP); coll. = name of the collector and the collecting date; det. = determined; t.s. = the full text of the label of the herbarium sheet; rem. = remark of the author; rev. = revised.

RANUNCULACEAE

Aconitum pantocsekianum DEGEN et BALDACCI f. *koprivnikense*
ANDRASOVSKY et JÁVORKA, 1921

Protologue – JÁVORKA (1921: 19).

Lectotype – Here designated (Fig. 1); i.n.: 525777 (BP); coll.: J. ANDRASOVSKY (06.07.1917); t.s.: Montenegro: in monte Zljeb; alt. ca. 2200 m.; det.: D. PIFKÓ (08.01.2004).

Isolectotype – i.n.: 326844; coll.: J. ANDRASOVSKY (06.07.1917); t.s.: Montenegro: in monte Zljeb; alt. ca. 2200 m.; det.: D. PIFKÓ (08.01.2004); rem.: The inflorescence is missing.

Syntypes – 1) i.n.: 326845; coll.: J. ANDRASOVSKY (21.07.1917); t.s.: Montenegro: in monte Koprivnik supra Ipek; alt. ca. 2000 m.s.m.; det.: D. PIFKÓ (08.01.2004).

2) i.n.: 106984; coll.: J. ANDRASOVSKY (21.07.1917); t.s.: Montenegro: in monte Koprivnik supra Ipek; alt. ca. 2000 m.s.m.; det.: D. PIFKÓ (08.01.2004).

ROSACEAE

Sanguisorba albanica ANDRASOVSKY et JÁVORKA, 1921

Protologue – JÁVORKA (1921: 23).

Lectotype – Designated by KOVÁTS (1999).

Syntypes – 1) i.n.: 523865; coll.: J. ANDRASOVSKY (31.07.1917); t.s.: Albania: in locis umbrosis ad jugum Čafa-Morina inter Djakova et Tropoja; det.: A. PÉNZES.

2) i.n.: 106900; coll.: J. ANDRASOVSKY (31.07.1917); t.s.: Albania: in locis umbrosis ad jugum Čafa-Morina inter Djakova et Tropoja; det.: D. PIFKÓ (08.01.2004).

3) i.n.: 106902; coll.: J. ANDRASOVSKY (31.07.1917); t.s.: Albania: in locis umbrosis ad jugum Čafa-Morina inter Djakova et Tropoja; det.: D. PIFKÓ (08.01.2004) (Fig. 2).



Fig. 1. Lectotype of *Aconitum pantocsekianum* f. *koprivnikense* ANDRASOVSKY et JÁVORKA



Fig. 2. Syntype of *Sanguisorba albanica* ANDRASOVSKÝ et JÁVORKA

UMBELLIFERAE

Peucedanum serpentini ANDRASOVSKY et JÁVORKA, 1921

Protologue – JÁVORKA (1921: 25–26).

Lectotype, isoelectotype – Designated by KOVÁTS (1998a).

Syntypes – 1) i.n.: 4516; coll.: J. ANDRASOVSKY (31.07.1917); t.s.: Albania: in locis umbrosis ad jugum Čafa-Morina inter Djakova et Tropoja; det.: A. PÉNZES as *Peucedanum neumayeri* (VIS.) RCHB. f.; rev.: D. PIFKÓ (08.01.2004).

2) i.n.: 274360; coll.: J. ANDRASOVSKY (31.07.1917); t.s.: Albania: in locis umbrosis ad jugum Čafa-Morina inter Djakova et Tropoja; det.: A. PÉNZES as *Peucedanum neumayeri* (VIS.) RCHB. f.; rev.: D. PIFKÓ (08.01.2004) (Fig. 3).

3) i.n.: 274359; coll.: J. ANDRASOVSKY (31.07.1917); t.s.: Albania: in locis umbrosis ad jugum Čafa-Morina inter Djakova et Tropoja; det.: A. PÉNZES as *Peucedanum neumayeri* (VIS.) RCHB. f.; rev.: D. PIFKÓ (08.01.2004).

SCROPHULARIACEAE

Veronica andrasovszkyi JÁVORKA, 1921

Protologue – JÁVORKA (1921: 26).

Lectotype – Here designated (Fig. 4): i.n.: 95790 (BP); coll.: S. JÁVORKA (09.09.1918); t.s.: Montes Albaniae borealis versus opp. Djakova extensi: in herbis et dumetis in jugo “Čafa Morinus” inter opp. Djakova et pag. Tropoja; Solo serpentino; alt. ca. 600 m.; det.: S. JÁVORKA.

Syntypes – 1) i.n.: 326839; coll.: J. ANDRASOVSKY (31.07.1917); t.s.: Albania: in lapidosis ad jugum Čafa-Morina inter Djakova et Tropoja; det.: D. PIFKÓ (08.01.2004).

2) i.n.: 326785; coll.: J. ANDRASOVSKY (31.07.1917); t.s.: Albania: in lapidosis ad jugum Čafa-Morina inter Djakova et Tropoja; det.: D. PIFKÓ (08.01.2004).

3) i.n.: 106898; coll.: J. ANDRASOVSKY (31.07.1917); t.s.: Albania: in lapidosis ad jugum Čafa-Morina inter Djakova et Tropoja; det.: D. PIFKÓ (08.01.2004).

4) i.n.: 95693; coll.: J. ANDRASOVSKY (31.07.1917); t.s.: Albania: in lapidosis ad jugum Čafa-Morina inter Djakova et Tropoja; det.: D. PIFKÓ (08.01.2004).

5) i.n.: 106897; coll.: J. ANDRASOVSKY (31.07.1917); t.s.: Albania: in lapidosis ad jugum Čafa-Morina inter Djakova et Tropoja; det.: D. PIFKÓ (08.01.2004).

6) i.n.: 106899; coll.: J. ANDRASOVSKY (31.07.1917); t.s.: Albania: in lapidosis ad jugum Čafa-Morina inter Djakova et Tropoja; det.: D. PIFKÓ (08.01.2004).

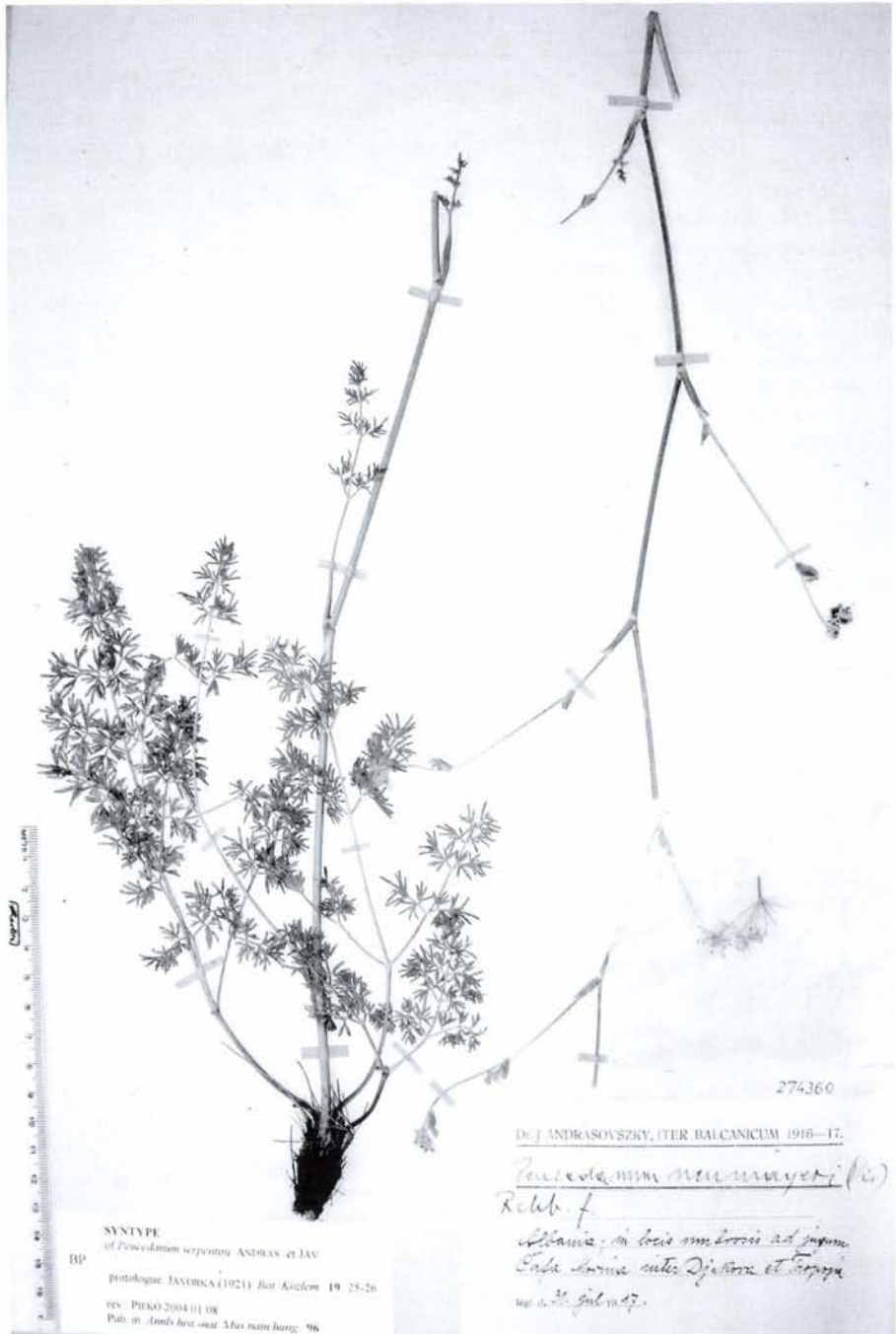


Fig. 3. Syntype of *Peucedanum serpentini* ANDRASOVSKÝ et JÁVORKA

GRAMINEAE

Festuca violacea GAUDIN var. *korabensis* JÁVORKA ex
MARKGRAF-DANNENBERG, 1974

Protologue – MARKGRAF-DANNENBERG (1974: 81–83).

Holotype – Designated by MARKGRAF-DANNENBERG (1974, cf. KOVÁTS 2000).

Isotypes – 1) i.n.: 106896; coll.: J. ANDRASOVSKY (24–25.08.1917); t.s.: Albania: in monte Korab supra Radomir; alt. ca. 2200 m.s.m.; det.: S. JÁVORKA.

2) i.n.: 106979; coll.: J. ANDRASOVSKY (24–25.08.1917); t.s.: Albania: in monte Korab supra Radomir; alt. ca. 2200 m.s.m.; det.: D. PIFKÓ (08.01.2004).

Paratypes – 1) i.n.: 733803; coll.: J. UJHELYI (01.07.1955); t.s.: Albania borealis, tractus Alpium Albaniae (“Bertiscus”), sub rupe Maja Drošks versus cacumen Maja Hekuravet (2600 m.). In solo calcarea; det.: S. JÁVORKA as *Festuca violacea* GAUDIN; rev.: I. MARKGRAF-DANNENBERG (08.1973).

2) i.n.: 733802; coll.: J. ANDRASOVSKY (04–05.08.1917); t.s.: Albania: in monte Kölsen supra Tropoja; alt. ca. 2000 m.s.m.; det.: S. JÁVORKA as *Festuca violacea* GAUDIN; rev.: I. MARKGRAF-DANNENBERG (08.1973).

3) i.n.: 733805; coll.: J. ANDRASOVSKY (04–05.08.1917); t.s.: Albania: in monte Kölsen supra Tropoja; alt. ca. 2000 m.s.m.; det.: S. JÁVORKA as *Festuca violacea* GAUDIN; rev.: I. MARKGRAF-DANNENBERG (08.1973).

4) i.n.: 733804; coll.: J. ANDRASOVSKY (22.07.1917); t.s.: Montenegro: in monte Koprivnik supra Ipek; alt. ca. 2200 m.s.m.; det.: S. JÁVORKA as *Festuca rubra* L.; rev.: I. MARKGRAF-DANNENBERG (08.1973).

5) i.n.: 733806; coll.: J. ANDRASOVSKY (22.07.1917); t.s.: Montenegro: in monte Koprivnik supra Ipek; alt. ca. 2200 m.s.m.; det.: S. JÁVORKA as *Festuca violacea* GAUDIN; rev.: I. MARKGRAF-DANNENBERG (08.1973).

6) i.n.: 733807; coll.: J. ANDRASOVSKY (22.07.1917); t.s.: Montenegro: in monte Koprivnik supra Ipek; alt. ca. 2200 m.s.m.; det.: S. JÁVORKA as *Festuca rubra* L.; rev.: I. MARKGRAF-DANNENBERG (08.1973).

7) i.n.: 733808; coll.: J. ANDRASOVSKY (22.07.1917); t.s.: Montenegro: in monte Koprivnik supra Ipek; alt. ca. 2200 m.s.m.; det.: S. JÁVORKA as *Festuca violacea* GAUDIN; rev.: I. MARKGRAF-DANNENBERG (08.1973).

Isoparatypes – 1) i.n.: 86684, 86700; coll.: J. ANDRASOVSKY (22.07.1917); t.s.: Montenegro: in monte Koprivnik supra Ipek; alt. ca. 2200 m.s.m.; det.: D. PIFKÓ (08.01.2004); rem.: Two sheets.

2) i.n.: 86688, 86689; coll.: J. ANDRASOVSKY (22.07.1917); t.s.: Montenegro: in monte Koprivnik supra Ipek; alt. ca. 2200 m.s.m.; det.: S. JÁVORKA as *Festuca rubra* L. ssp. *fallax* (THUILL.) ?; rev.: D. PIFKÓ (08.01.2004); rem.: Two sheets.

3) i.n.: 86691; coll.: J. ANDRASOVSKY (22.07.1917); t.s.: Montenegro: in monte Koprivnik supra Ipek; alt. ca. 2200 m.s.m.; det.: S. JÁVORKA as *Festuca rubra* L. ssp. *fallax* (THUILL.) ?; rev.: D. PIFKÓ (08.01.2004).

4) i.n.: 86922; coll.: J. ANDRASOVSKY (22.07.1917); t.s.: Montenegro: in monte Koprivnik supra Ipek; alt. ca. 2200 m.s.m.; det.: S. JÁVORKA as *Festuca violacea* GAUDIN; rev.: D. PIFKÓ (08.01.2004).

5) i.n.: 86851, 86927; coll.: J. ANDRASOVSKY (22.07.1917); t.s.: Montenegro: in monte Koprivnik supra Ipek; alt. ca. 2200 m.s.m.; det.: S. JÁVORKA as *Festuca violacea* GAUDIN; rev.: D. PIFKÓ (08.01.2004); rem.: Two sheets.

6) i.n.: 86706 86852; coll.: J. ANDRASOVSKY (22.07.1917); t.s.: Montenegro: in monte Koprivnik supra Ipek; alt. ca. 2200 m.s.m.; det.: S. JÁVORKA as *Festuca violacea* GAUDIN; rev.: D. PIFKÓ (08.01.2004); rem.: Two sheets.

7) i.n.: 326791; coll.: J. ANDRASOVSKY (04–05.08.1917); t.s.: Albania: in monte Kölsen supra Tropoja; alt. ca. 2000 m.s.m.; det.: D. PIFKÓ (08.01.2004).

8) i.n.: 326788; coll.: J. ANDRASOVSKY (04–05.08.1917); t.s.: Albania: in monte Kölsen supra Tropoja; alt. ca. 2000 m.s.m.; det.: D. PIFKÓ (08.01.2004).

9) i.n.: 326789; coll.: J. ANDRASOVSKY (04–05.08.1917); t.s.: Albania: in monte Kölsen supra Tropoja; alt. ca. 2000 m.s.m.; det.: D. PIFKÓ (08.01.2004).

10) i.n.: 326792; coll.: J. ANDRASOVSKY (04–05.08.1917); t.s.: Albania: in monte Kölsen supra Tropoja; alt. ca. 2000 m.s.m.; det.: S. JÁVORKA as *Festuca violacea* GAUDIN; rev.: D. PIFKÓ (08.01.2004).

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Diaria itinerum *Pauli Kitaibelii III.* 1805–1817

Edited by László Lőkös

Paul Kitaibel, the renowned Hungarian botanist completed 17 longer and several shorter journeys in the 18–19th century during which he wrote a very detailed travel diary. Leaving Pest or Buda, from the boundary of the town he kept a scientifically very thorough itinerary making it as detailed as possible. His observations covered the entire geological and natural geographical aspects of the landscape, laying special emphasis on rocks, minerals, soil, running and still waters. He specifically examined mineral waters, the first analyses of which were made on the spot with his travelling laboratory kit. The most painstaking and thorough observations were made on the plants. With profound thoughtfulness he made his notes also on the animals he saw. Besides the known plants he reported the discovery of numerous new plant species in his diary. He complemented the species list with phytogeographical, ecological, cenological observations still valid today, well preceding the scientific character of his age. He jotted down everything he experienced.

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