

## HIERACIA BALCANICA VI. TYPIFICATION OF *HIERACIUM PAVICHII* (ASTERACEAE)

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**Abstract.** The name *Hieracium pavichii* Heuff. and its illegitimate synonymy, *Pilosella fussiana* F. W. Schultz & Schultz-Bip. *nom. illeg.* and *Hieracium fussianum* Schur *nom. illeg.*, are lectotypified by a specimen stored at the Hungarian Natural History Museum in Budapest (BP). When *Hieracium pavichii* is transferred to the genus *Pilosella* Vaill. the correct name is *Pilosella pavichii* (Heuff.) Holub.

**Key words:** Asteraceae, Balkans, *Hieracium*, *Pilosella*, nomenclature, typification

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*Hieracium pavichii* Heuff. was described from Slavonia in northern Croatia based on specimens collected by Anton Pavich, a medical doctor from the town of Požega (Heuffel 1853). It is a diploid species (Christoff & Popoff 1933; Strid & Franzén 1981; Vladimirov 2000; Mráz & Szelaĝ 2004; Yurukova-Grancharova *et al.* 2006; Szelaĝ *et al.* 2007), widespread although not common on the Balkan Peninsula (Bräutigam 1992) and in a few disjunct stations in Turkey: Mt. Uludag discovered in 1991 (Z. Szelaĝ, unpubl.) and the Adana district (Nydegger-Hügli 1999). *Hieracium pavichii* is lectotypified here by a specimen in Heuffel's herbarium stored at the Hungarian Natural History Museum in Budapest (BP) (Fig 1). The original material was collected near Velikaner Schloß castle (Fig. 2), now called Velički stari grad castle, ca 15 km north of Požega in Slavonia.

*Hieracium fussianum* Schur was published without a description in *Sertum Florae Transsilvaniae* (Schur 1853) and was validated by Schur only in 1866. This name is illegitimate, however, because it was superfluous to *Hieracium pavichii* cited as a synonym. Hence, *H. fussianum* is typified here by the same specimen as *H. pavichii*.

The illegitimate name *Pilosella fussiana* F. W. Schultz & Schultz-Bip. was ascribed to Heuffel's specimen of *Hieracium pavichii* received from Archbishop Lajos Haynald: 'Wir besitzen

*P[ilosella]. fussiana* aus Heuffels Herbar von Herrn Bischof von Haynald, wohl aus Slavonien' (Schultz & Schultz-Bipontinus 1862: 427). Hence, *Pilosella fussiana* is typified here by the same specimen as *Hieracium pavichii*.

Following the generic concept of recognizing *Hieracium* L. and *Pilosella* Vaill. as separate genera, Holub (1977) transferred *Hieracium pavichii* to the genus *Pilosella*. Recently, Bräutigam and Greuter (2007) ascribed this combination to Arvet-Touvet (1880: 282). However, based on the footnote (Arvet-Touvet 1880: 278): 'Les formes rangées en sous-ordre portent une lettre *italique* lorsqu'elles nous ont paru de simples variétés, – ou un *chiffre* quand elles sont plus caractérisées et susceptibles d'être considérées comme espèces'[The intraspecific forms were given an *italic letter* if I considered them simple varieties, or a *number* if they have more pronounced characteristics and presumably have the potential to be considered species], *Hieracium pavichii* should be recognized as an unranked taxon within *Pilosella florentina*, of a rank higher than variety but not as a species within *Pilosella*. The intention of Arvet-Touvet (1880) expressed in the footnote shows that the notion assigned by him can be considered a suggestion of possible species rank but not as a description at species rank. Its infraspecific rank is also suggested by the layout of page 282:

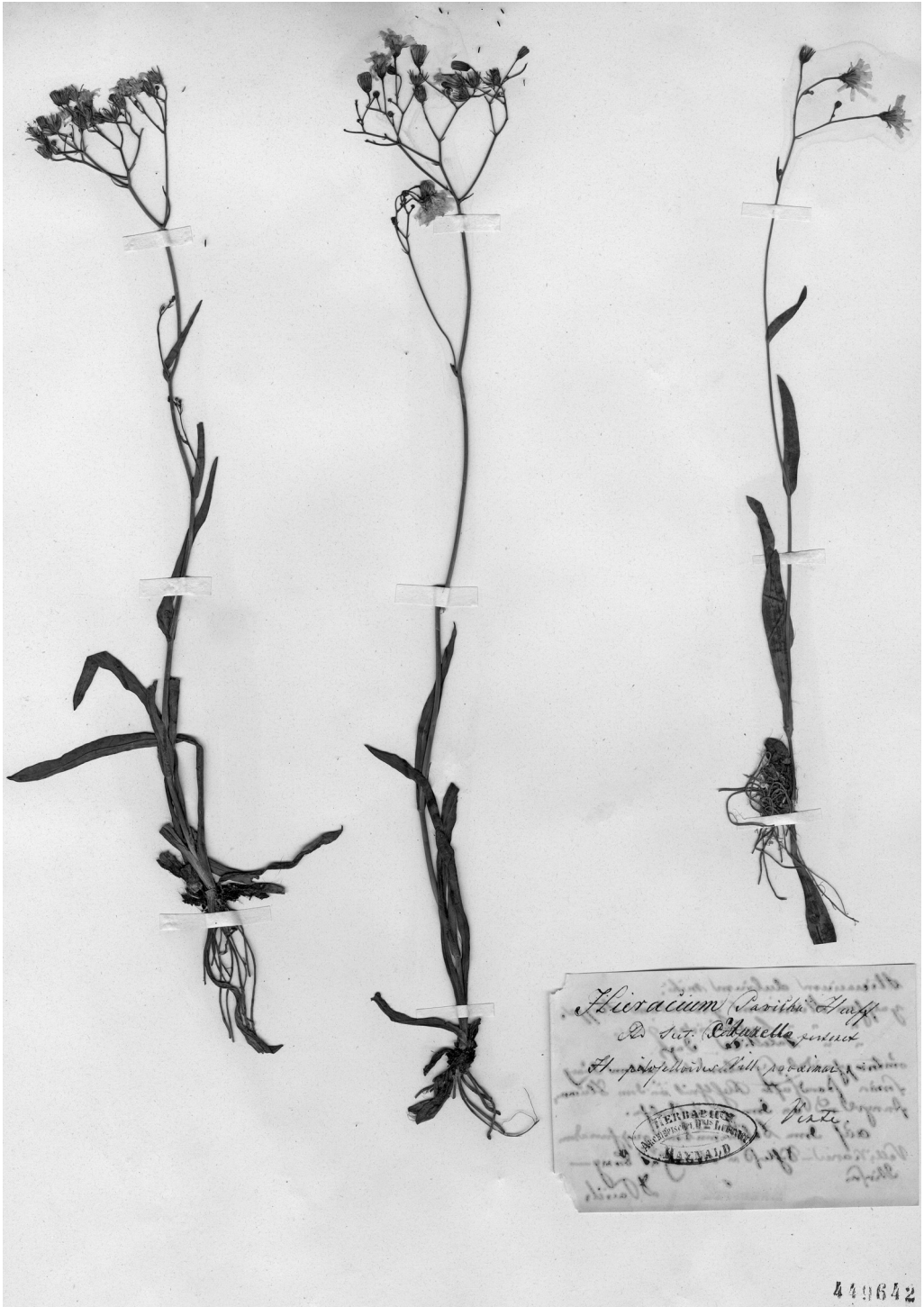
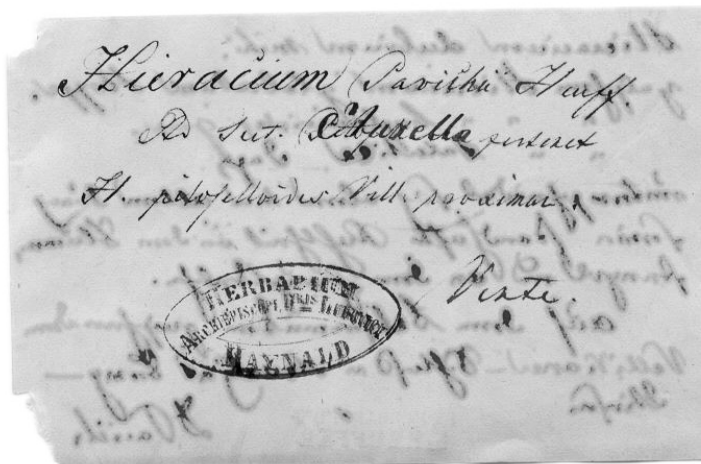


Fig. 1. Lectotype of *Hieracium pavichii* Heuff.

A



B

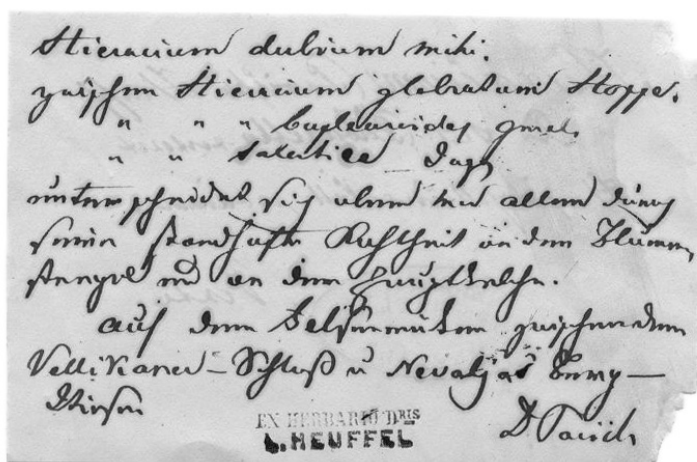


Fig. 2. Original label on the lectotype sheet of *Hieracium pavichii* Heuff. A – face in Heuffel's own handwriting; B – reverse in Pavich's own handwriting.

- 52 PRAEALTA Vill.  
2. *obscura* Rchb.  
53 FALLAX Aucct. p. p. – *stolonibus*  
*destituta* = *vulgari* – *prae-*  
*alta*?  
54 FLORENTINA All  
2. *acutifolia* Vill.  
3. *Pavichii* Heuff.  
4. *glareosa* Hut.  
55 HYPERBOREA Fries.  
56 JUNCIFORMIS A.-T. = *vulgari-*  
*florentina*?  
57 CARICINA A.-T.  
*b. adriatica* Noeg.

### *Hieracium pavichii* Heuff.

Fig. 1

*H. pavichii* Heuff., Flora 36: 618. 1853 ('*parichii*') – INDICATIO LOCOTYPICA: 'In rupestribus lapidosisque montium Comitatus Pósegani in Slavonia, ubi stirpem Ant. Pavich ('Parich') Physicus ejus, in ejus honorem dicta, legit. Maj. Jun.' – *Pilosella pavichii* (Heuff.) Holub, Folia Geobot. Phytotax. 12: 306. 1977 – *P. florentina* [unranked] *pavichii* (Heuff.) Arv.-Touv., Bull. Soc. Dauphin. Échange Pl.: 282. 1880 – *P. fussiana* F. W. Schultz & Schultz-Bip., Flora 45: 427, 428. 1862, *nom. illeg.* (Art. 52.1.) – *Hieracium fussianum* Schur, Enumer. Pl. Transsilv.: 384. 1866, *nom. illeg.* (Art. 52.1) – LECTOTYPUS (hoc loco designatus): *Hieracium dubium* mihi, zwischen *Hieracium glabratum* Hoppe u. *Hieracium bupleuroides* Gmel. u. *Hieracium saxatile* Jacq.

...[illegible phrase]... auf dem Felsenrücken [?] zwischen dem Vellikaner-Schloß u. Nevaljaš Lumy [?] – Wiesen [?], *A. Pavich* BP 449642 (Fig. 2).

– *Hieracium fussianum* Schur, Sertum Fl. Transsilv.: No. 45. 1853, *nom. nud.*

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## REFERENCES

- ARVET-TOUVET C. 1880. Essai de classification sur les genres *Pilosella* et *Hieracium* principalement. Pour les espèces et les formes de la région Sud-Quest de l'Europe. *Bull. Soc. Dauphin. Exchange Pl.* 7: 278–292.
- BRÄUTIGAM S. 1992. *Hieracium* L. In: H. MEUSEL & E. J. JÄGER (eds), *Vergleichende Chorologie der zentraleuropäischen Flora*. 3: 325–333. Gustav Fischer, Jena.
- BRÄUTIGAM S. & GREUTER W. 2007. A new treatment of *Pilosella* for the Euro-Mediterranean flora. *Willdenowia* 37: 123–137.
- CHRISTOFF M. & POPOFF A. 1933. Cytologische Studien über die Gattung *Hieracium*. *Planta* 20: 440–447.
- HEUFFEL J. 1853. Sertum plantarum novarum aut minus rite cognitarum. *Flora* 36: 617–627.
- HOLUB J. 1977. New names in Phanerogamae 5. *Folia Geobot. Phytotax.* 12: 293–311.
- MRÁZ P. & SZELĄG Z. 2004. Chromosome numbers and reproductive systems in selected species of the genera *Hieracium* L. and *Pilosella* Hill (Asteraceae) from Romania. *Ann. Bot. Fenn.* 41: 405–414.
- NYDEGGER-HÜGLI M. 1999. Zehnte Ergänzungen zu P. H. Davis' Flora of Turkey and the East Aegean Island 1–10 (1965–1988). *Bauhinia* 13: 41–60.
- SCHULTZ F. W. & SCHULTZ-BIPONTINUS C. H. 1862. *Pilosella* als eigene Gattung. *Flora* 45: 417–432.
- SCHUR J. F. 1853. Sertum Florae Transsilvaniae sive Enumeratio systematica omnium plantarum, quae in Transsilvania sponte crescunt et in usum hominum copiosius coluntur. *Verh. Mitth. Siebenbürg. Vereins Naturwiss. Hermannstadt* 4(1–11): 1–94.
- SCHUR J. F. 1866. Enumeratio plantarum Transsilvaniae, exhibens: stirpes phanerogamas sponte crescentes atque frequentius cultas, cryptogamas vasculares, Characeas, etiam muscos hepaticasque. G. Braunmüller, Vindobonae.
- STRID A. & FRANZÉN R. 1981. [report on *Hieracium pavichii*]. In: Á. LÖVE (ed.), *Chromosome number reports LXXIII*. *Taxon* 30: 829–861.
- SZELĄG Z., ILNICKI T., NIKETIĆ M. & TOMOVIĆ G. 2007. Diploid chromosome numbers in five *Hieracium* species from Serbia and Montenegro. *Acta Biol. Cracov., Ser. Bot.* 49: 119–121.
- VLADIMIROV V. 2000. Diploid species of the genus *Hieracium* s.l. in Bulgaria. *Abh. Ber. Naturkundemus. Görlitz* 72(Suppl.): 16.
- YURUKOVA-GRANCHAROVA P., ROBEVA-DAVIDOVA P. & VLADIMIROV V. 2006. On the embryology and mode of reproduction of selected diploid species of *Hieracium* s.l. (Asteraceae) from Bulgaria. *Flora* 201: 668–675.

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