



Article

Nomenclatural correction for a Chinese species of *Conioselinum* (Umbelliferae)

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Abstract

A new combination, *Conioselinum anthriscoides* Pimenov & Kljuykov, is proposed for a Chinese species, known in the literature as *Ligusticum sinense* Oliv. The replacement name (*nomen novum*) of *Conioselinum sinomedicum* Pimenov & Kljuykov, which was published earlier, is an illegitimate superfluous name.

Keywords: China, *Conioselinum*, *Ligusticum*, new combination, Umbelliferae

Introduction

In our revision of species of *Conioselinum* Hoffm. distributed in the Old World (Pimenov *et al.*, 2003) several Chinese species of *Ligusticum* were transferred to *Conioselinum* because of their closer affinity to *C. tataricum* Hoffm., the type species of *Conioselinum*, than to *L. scoticum* L., the type species of *Ligusticum*. Among them was *L. sinense* Oliv., a widely distributed, popular Chinese medicinal plant. In *Conioselinum* there was, however, a different species, named as *C. chinense* (L.) Britton, Sterns & Poggenb. To avoid confusion, we proposed for *L. sinense* the replacement name, *C. sinomedicum* Pimenov & Kljuykov, in accordance with Art. 53.3, Ex 11 of the International Code of Nomenclature for Algae, Fungi, and Plants (McNeill *et al.*, 2012). At the same time, *L. sinense* was identified as *Carum anthriscoides* H.Boissieu (1906: 426), whose name has priority against all other synonyms. Both species have similar long stylodia, which differentiates them from related species. So, the suggested name, *Conioselinum sinomedicum*, appears to be illegitimate and superfluous, as our colleagues kindly pointed out to us. We would like to correct our mistake and propose a new nomenclatural combination in *Conioselinum*, based on *Carum anthriscoides*. The species has a number of synonyms arranged below according to the chronology of each homotypic group of names. For *Ligusticum sinense* the collection *Henry 6759B* from Hupei has been selected as the lectotype kept in K, and three sheets labelled *Henry 6759A* from Sichuan remain syntypes (in K, BM and GH).



Fig. 1. Lectotype of *Carum anthiscoides* H. Boissieu Farges 119-bis (P)

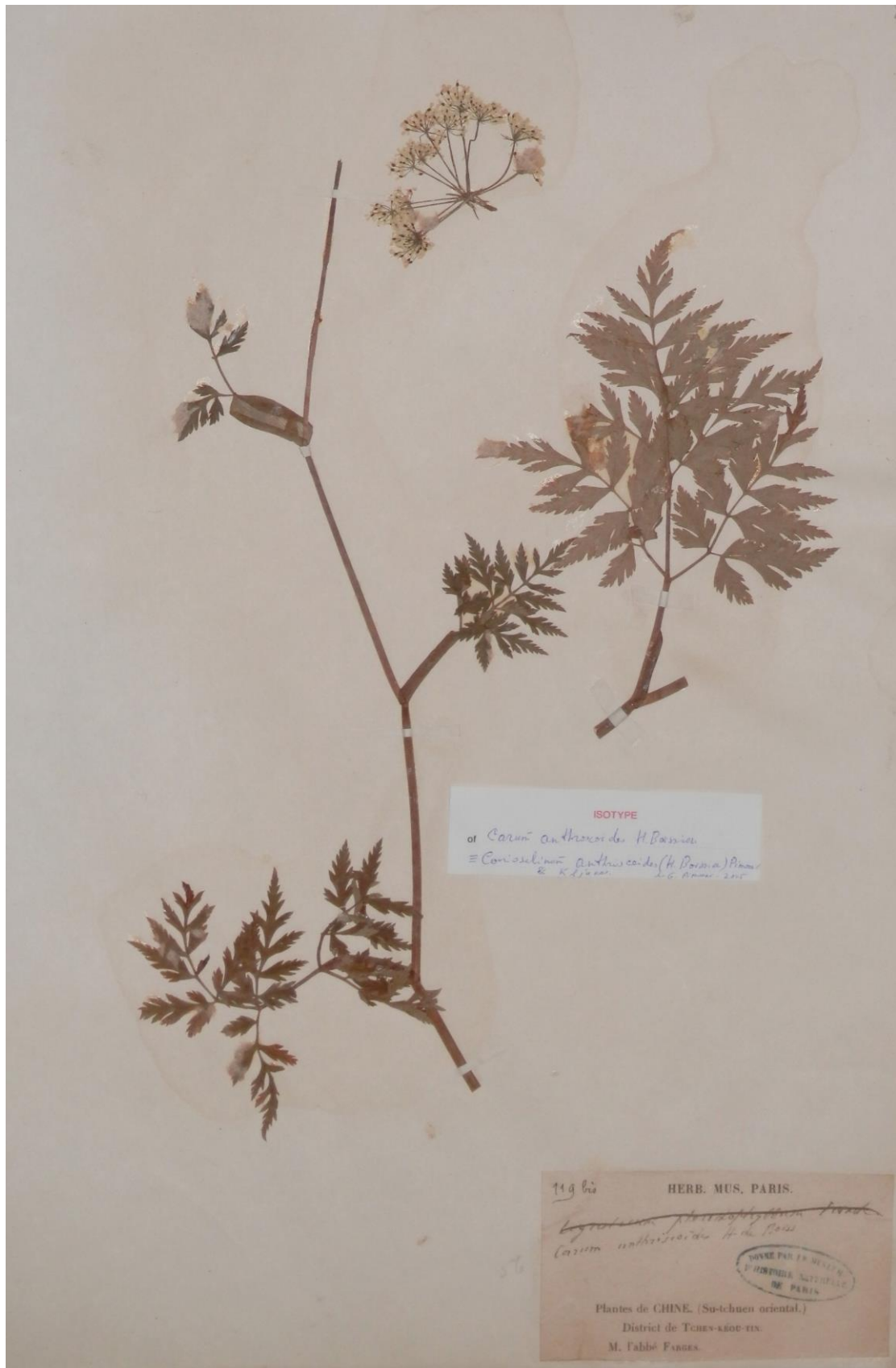


Fig. 2. Isolectotype of *Carum anthriscoides* H. Boissieu Farges 119-bis (K)



Fig. 4. Syntype of *Ligusticum sinense* Oliv. Henry 6759A (K)

Nomenclature and taxonomy

Conioselinum anthriscoides (H.Boissieu) Pimenov & Kljuykov, **comb. nov.**

≡ *Carum anthriscoides* H.Boissieu, Bull. Soc. Bot. France 53: 426. 1906.

≡ *Aegopodium anthriscoides* (H.Boissieu) H.Boissieu, Bull. Soc. Bot. France 56: 350. 1909.

Type: China, Su-tschuan oriental, Tcheu-keou-tin District, *Farges 119-bis* (lectotype P! **designated here** by Pimenov; isoelectotypes UC!, B!, K!). Photographs of the lectotype and isoelectotype are presented in Fig. 1 and Fig. 2 respectively.

= *Ligusticum sinense* Oliv., in Hooker f., Icon. Pl. (ser. 3) 20: tab. 1958. 1891.

≡ *Conioselinum sinomedicum* Pimenov & Kljuykov, Willdenowia 33(2): 367, fig. 19. 2003, nom. illeg. superfl.

Type: China, Hupeh Province, Hsingshan District, 1885–1888, *Henry 6759B*" (lectotype K, K000695861! **designated here** by Pimenov; isoelectotypes BM!, E!, G!, GH, PE!, US!). "Prov. Szechwan, District NO-Wushan, *Henry 6759A*" (syntypes BM!, GH, K, K000695859!). Photographs of the lectotype and isoelectotype are presented in Fig. 3 and Fig. 4 respectively.

= *Ligusticum markgrafianum* Fedde ex H.Wolff, Repert. Spec. Nov. Regni Veg. 27: 313. 1930.

Type: China, Prov. Hubei, *Henry 4954* (lectotype K!; **designated here** by Pimenov; isoelectotype E!).

= *Ligusticum pilgerianum* Fedde ex H.Wolff, Repert.Spec. Nov. Regni Veg. 27: 322. 1930, nom. illeg., non *L. pilgerianum* H.Wolff (1930: 307).

= *Ligusticum harrismithii* M.Hiroe, Umbell. Asia 1: 109. 1958.

Type: China, Shansi, Chiao-chung District, Pa-shui-ko-shan, in prato fruticoso herboso ad silvulam, 2000 m, 24.VIII.1924, *H.Smith 7112* (lectotype UPS!; designated by Hiroe 1958: 110; isoelectotypes PE!, S!, TI!); southwestern Kansu, Upper Tebbu, in moist meadows and along the streams in Drakana, 10000', *Rock 14590* (syntypes A, BM, GH).

= *Ligusticum levistifolium* H.Wolff, Repert. Spec. Nov. Regni Veg. 27: 323. 1930.

Type: China, Tibet: Tse-Kou [Tsekou, Yunnan], *Manberg 85* (holotype K!).

= *Ligusticum sinense* Oliv. var. *alpinum* R.H.Shan ex K.T.Fu, Fl. Tsinlingensis 1(3): 461, 419. 1981.

Type: China, Shensi: Hwa-in Hsien, Hwa-yang Commune, Ta-pai-yang-cha, 1400–1500 m, 23.IX.1974, *Fu Kuntsun 17254* (holotype WUK).

= *Ligusticum sinense* Oliv. var. *hupehense* H.D.Zhang, Acta Phytotax. Sin. 31(3): 281. 1993.

Type: China, Hubei, Dashanding, 1600 m, by the roadside, in moist places, 13.IX.1984, *Liu & Lin 10*" (holotype Hubei Institute for Food and Drug Control).

Distribution: China (Gansu; Neimenggu A.R., Shanxi, Shaanxi; Henan, Hubei, Jiangxi; Sichuan, Guizhou, Yunnan).

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