



Lectotypification of *Polygonatum franchetii* and *P. tsinlingense* (Asparagaceae)

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During systematic studies on *Polygonatum* Miller (1754: without pagination), the examination of type specimens and protologues revealed several nomenclature issues with regards to typification and priority of two species native to China. *Polygonatum tsinlingense* Tsui (1949: 135), lacking type designation, was discovered to be an earlier name for *P. gracile* Li (1966: 252). In addition *P. franchetii* Hua (1892: 392), also lacking type designation, was described on the basis of a series of three different Farges collections from eastern Sichuan. For both species lectotypes are here selected. Herbarium acronyms follow Thiers (2015).

Polygonatum tsinlingense

The name *Polygonatum tsinlingense* has not been treated at species level or even as a synonym in any recent floristic works (Jeffrey 1980, Chen & Tamura 2000). Morphological comparisons of type specimens revealed that *P. tsinlingense* and *P. gracile* are heterotypic synonyms. Thus, the earlier validly published name, *P. tsinlingense*, has priority (Art. 11.4 of ICN, McNeill *et al.* 2012). In the protologue of *P. tsinlingense* two gatherings were cited by Tsui (1949) without designation of a type. The first, *TN.Liou 10910*, has not been located and was not cited by Li (1966), which suggests that it was probably already lost at that time. The second is still extant, *W.Y.Hsia 4238* (PE 00223893, PE 01432739), and was also cited by Li (1966), which substantiates my own morphological comparisons that these two names are to be referred to the same species. Thus, the specimen PE 00223893 is here selected to serve as the lectotype (Arts. 9.2 and 9.11 of ICN, McNeill *et al.* 2012).

Polygonatum tsinlingense Tsui (1949: 135)

Type (lectotype, designated here):—CHINA. Shaanxi: Hwashan, Chen-Yo-Kung, 30 May 1938, *W.Y.Hsia 4238* (PE 00223893!, image viewable at http://cvh.org.cn/db/data_allspmfinal/data_pview.php?id=PE_00223893; isolectotype PE 01432739!).

= *Polygonatum gracile* Li (1966: 252)

Type:—CHINA. Gansu: Chang Hsien, Hoti-tsun, Sung-hushan, 4 June 1956, *Yellow River Exped. 4699* (Holotype HW, isotype PE!).

Polygonatum franchetii

In the protologue of *Polygonatum franchetii* three collections made by R.P. Farges from what was then eastern Sichuan (now Chongqing) were cited (Hua 1892). The syntypes traced at P (*Farges 395* [two duplicate specimens], *526*, *671* [three duplicate specimens]) are congruent with one another in morphology, but one specimen of *Farges 671* (P00687090!), characterized by strictly alternate leaves and minute subulate bracteoles, actually belongs to *P. cyrtoneura* Hua (1892: 393). The individuals mounted on the herbarium specimen of *Farges 526* (P00687089!) are not yet in anthesis which obscures the details of the perigone. Last, the two duplicate specimens of *Farges 395* (P000687008!, P00038310!) show individuals in full anthesis and are most representative of the protologue: irregular, but predominately whorled or opposite phyllotaxy; scarious caducous inflorescence bracts that enclose the immature flowers; and a large inflated perigone with an exerted stigma. The specimen P000687008 is here selected as the lectotype (Art. 9.2 of ICN, McNeill *et al.* 2012).

Polygonatum franchetii Hua (1892: 392)

Type (lectotype, here designated):—CHINA. Su-tchuen oriental [now Chongqing], District de Tchen-keou-tin, 2500 m alt., *Farges* 395 (P000687008 [digital photo!], image viewable at <http://coldb.mnhn.fr/catalognumber/mnhn/p/p00687088>; isolectotype: P00038310 [digital photo!], image viewable at <http://coldb.mnhn.fr/catalognumber/mnhn/p/p00038310>).

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