



## Nomenclatural note for *Pedicularis oederi* var. *angustiflora* (Orobanchaceae)

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The genus *Pedicularis* L. comprises approximately 600 species (Li 1948; Fischer 2004), and as such, it is the largest genus of the family Orobanchaceae (Olmstead 2012). More than 350 species are recorded from China (Yang *et al.* 1998). In this study, the validity of Tsoong's (1963: 334) new combination *P. oederi* var. *angustiflora* (H.Limpricht) P.C.Tsoong and its taxonomical history are discussed, and a lectotype is designated.

Franchet (1891: 149) proposed *Pedicularis stenantha* Franchet as a new species for a whorled-leaved *Pedicularis* taxon. Later, he (1900: 32) proposed *P. stenocorys* Franchet as another whorled-leaved new species. Furthermore, perhaps absentmindedly, he (1900: 36) proposed the name *P. stenantha* again as a new species for an alternate-leaved *Pedicularis* taxon and thus created a later homonym. The whorled-leaved *Pedicularis* species belongs to the series *Lyratae* Maximovicz (1888: 603), whereas the alternate-leaved *Pedicularis* species belongs to the series *Flammeae* Prain (1890: 100). Franchet (1900: 32) proposed *P. stenocorys* Franchet as another whorled-leaved new species. Presently, the preceding species is treated as conspecific with the 1891 whorled-leaved species (see Yu *et al.* 2013). Bonati (1910: 32) and Limpricht (1922a: 485) overlooked the difference between the 1891 (whorled-leaved) and 1900 (alternate-leaved) taxa and applied the 1891 name to refer to the alternate-leaved species. Limpricht (1922b: 244), however, realized his mistake and proposed *P. angustiflora* as a replacement name for the 1900 alternate-leaved species.

For the current usage (Tsoong 1963; Yang *et al.* 1998), *Pedicularis angustiflora* is treated as a variety under *P. oederi* Vahl (in Hornemann 1806: 580). In volume 68 of the *Flora Reipublicae Popularis Sinicae*, Tsoong (1963: 334) proposed the new combination *P. oederi* var. *angustiflora* and provided a direct full reference to the basionym *P. angustiflora* H. Limpricht (see Art. 41.5; McNeill *et al.* 2012). In his basionym reference, he made a minor error. The correct page number of the basionym *P. angustiflora* is “244”. Tsoong, however, cited the page number as “18”, which is the same as the volume number of this journal published in 1922. This error is likely a *lapsus calami* (= slip of the pen) overlooked by the author and the editors. Interestingly, Wang & Wu (1994) and Yang *et al.* (1998) perpetuated Tsoong's error in the subsequent revision of *Pedicularis*. According to Article 41.6, this error is correctable for name published during 1953–2006, and therefore, we conclude that Tsoong validly published his new combination. For the formal usage, the publication page *P. oederi* var. *angustiflora* is corrected herein.

*Pedicularis oederi* Vahl (in Hornemann 1806: 580) var. *angustiflora* (H.Limpricht) P.C.Tsoong (1963: 334)

**Basionym:** *Pedicularis angustiflora* H.Limpricht (1922: 244). Homotypic synonym:—*Pedicularis stenantha* Franchet (1900: 36, non Franchet 1891).

**Lectotype** (designated here):—CHINA. Sichuan: Kangding (Ta-tsien-lou), *J.A.Soulié* 768 (lectotype P-02969040!; isolectotype P-02969043!). Syntype:—CHINA. Sichuan: Kangding (Ta-tsien-lou), *Henri D'Orléans s.n.* (syntype P-02969041!).

In the protologue, Franchet (1900: 36) listed two gatherings, i.e., *J. A. Soulié* 768 and *Henri D'Orléans s.n.* for the name *P. stenantha*. The first gathering comprises of two sheet specimens: sheets P-02969040 and P-02969043 including 10 and four flowering plants, respectively, and the second gathering includes one sheet (P-02969041) alone with a fragmental inflorescence. Herein, we favor to choose the sheet P-02969040, with more flowering plants, as the lectotype of *P. stenantha* (1900).

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