

A new synonym of *Hylodesmum podocarpum* ssp. *podocarpum* (Leguminosae)

GAO Xin-Fen

(Chengdu Institute of Biology, the Chinese Academy of Sciences, Chengdu 610041, China)

Abstract Close examination of the type material of *Podocarpium lancangense* Y. Y. Qian has shown that this species is indistinguishable from *Hylodesmum podocarpum* (DC.) H. Ohashi & R. R. Mill ssp. *podocarpum*, and thus is reduced to synonymy herein.

Key words *Hylodesmum*, new synonymy, China.

Hylodesmum H. Ohashi & R. R. Mill (Ohashi & Mill, 2000) is a replacement name of *Podocarpium* (Benth.) Y. C. Yang & P. H. Huang (Yang & Huang, 1979, 1995). This genus consists of 14 species and nine infraspecific taxa, ten of which are distributed in China.

Podocarpium lancangense Y. Y. Qian (Qian, 2003) was described on a collection from Simao, Yunnan, Y. Y. Qian 3015 (Fig. 1). This collection includes three sheets currently deposited in the Herbarium of the Xishuangbanna Tropical Botanic Garden, the Chinese Academy of Sciences (HITBC). Zhu and Ohashi (2003) considered that *P. lancangense* is a member of *Hylodesmum* and a fairly distinct species in the genus, although it is similar to *H. laxum* (DC.) H. Ohashi & R. R. Mill. They then transferred *P. lancangense* to *Hylodesmum*, proposing a new combination, i.e. *H. lancangense* (Y. Y. Qian) X. Y. Zhu & H. Ohashi.

Close examination of the type material of *Hylodesmum lancangense* has shown that this species is not the closet ally of *H. laxum*, but actually by no means distinguishable from another taxon of the genus, *H. podocarpum* (DC.) H. Ohashi & R. R. Mill ssp. *podocarpum*. *H. laxum* and *H. podocarpum* are distinguishable from each other by a series of characters (Table 1).

Hylodesmum podocarpum consists of four subspecies, ssp. *podocarpum*, ssp. *fallax* (Schindl.) H. Ohashi & R. R. Mill, ssp. *oxyphyllum* (DC.) H. Ohashi & R. R. Mill and ssp. *szechuenense* (Craib) H. Ohashi & R. R. Mill, the differences of which have been discussed in detail by Ohashi (1973). *H. lancangense* is essentially the same as



Fig. 1. Photograph of the holotype of *Podocarpium lancangense* Y. Y. Qian.

Table 1 Differences between *Hylodesmum laxum* and *H. podocarpum*

Species	<i>H. laxum</i>	<i>H. podocarpum</i>
Leaflets	coriaceous or subcoriaceous	chartaceous or subcoriaceous
Principal lateral nerves	looped within the margin	reaching the margin
Flowers	4–7 mm long	3–5 mm long
Pods	2–4-jointed	1–3-jointed
Articles	6–18 mm long	5–10 mm long
Fruit stipes	10–20 mm long	1–7 mm long

the typical subspecies, *H. podocarpum* ssp. *podocarpum* in its leaflets thickly chartaceous or subcoriaceous, broadly elliptic or broadly obovate, apex acute or apiculate, principal lateral nerves reaching the margin, flowers ca. 4 mm long, pods 1–2-jointed, articles 4–6 mm long, and fruit stipes 2.5–3.5 mm long.

Based on the above discussion, it seems more reasonable to reduce *Podocarpium lancangense* and *Hylodesmum lancangense* to the synonymy of *H. podocarpum* (DC.) H. Ohashi & R. R. Mill ssp. *podocarpum*.

Hylodesmum podocarpum (DC.) H. Ohashi & R. R. Mill ssp. **podocarpum** in Edinb. Journ. Bot. 57: 181. 2000. Type: Nepal (not seen).

Podocarpium lancangense Y. Y. Qian in Bull. Bot. Res. 23: 131, fig. 1. 2003. — *Hylodesmum lancangense* (Y. Y. Qian) X. Y. Zhu & H. Ohashi in Acta Phytotax. Sin. 41: 573–574. 2003, syn. nov. Type: China. Yunnan: Simao, in grasslands, alt. 1900 m, 1993-09-26, Y. Y. Qian 3015 (holotype, HITBC!; isotypes, HITBC!)

Acknowledgements I thank Mr. Wang Hong (HITBC) for his help in the course of writing this paper.

References

- Ohashi H. 1973. The Asiatic species of *Desmodium* and its allied genera (Leguminosae). Ginkgoana 1: 130–155.
- Ohashi H, Mill R R. 2000. *Hylodesmum*, a new name for *Podocarpium* (Leguminosae). Edinburgh Journal of Botany 57 (2): 171–188.
- Yang Y-C (杨衍晋), Huang P-H (黄普华). 1979. *Podocarpium* (Benth.) Yang et Huang, genus novum familiae Leguminosarum. Bulletin of Botanical Laboratory, Northeastern Forest Institute (4): 1–15.
- Yang Y-C (杨衍晋), Huang P-H (黄普华). 1995. *Podocarpium* (Benth.) Yang et Huang. In: Flora Reipublicae Popularis Sinicae (中国植物志). Beijing: Science Press. 41: 47–58.
- Qian Y-Y (钱义咏). 2003. A new species of *Podocarpium* from Yunnan Province. Bulletin of Botanical Research (植物研究) 23: 131–132.
- Zhu X-Y (朱相云), Ohashi H. 2003. *Hylodesmum lancangense* (Leguminosae), a new combination from Yunnan, China. Acta Phytotaxonomica Sinica (植物分类学报) 41: 573–574.

圆菱叶长柄山蚂蝗一新异名

高信芬

(中国科学院成都生物研究所 成都 610041)

摘要 查阅了澜沧长柄山蚂蝗 *Hylodesmum lancangense* (Y. Y. Qian) X. Y. Zhu & H. Ohashi 的模式标本后, 确认该种应归并入圆菱叶长柄山蚂蝗 *H. podocarpum* (DC.) H. Ohashi & R. R. Mill ssp. *podocarpum*。

关键词 长柄山蚂蝗属; 新异名; 中国