

# 五加科黑叶鹅掌柴的名实订正

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**摘要:** 近年发表的五加科 (Araliaceae) 黑叶鹅掌柴 (*Schefflera atrifoliata* R. H. Miao) 实为尾叶柏那参 (*Brassaiopsis producta* (Dunn) C. B. Shang) 之同物异名, 予以归并。

**关键词:** 五加科; 罗伞属; 鹅掌柴属; 尖苞柏那参; 黑叶鹅掌柴; 名实订正

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## The Identity of *Schefflera atrifoliata* R. H. Miao (Araliaceae)

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**Abstract:** *Schefflera atrifoliata* R. H. Miao (Araliaceae) is reduced to the synonym of *Brassaiopsis producta* (Dunn) C. B. Shang.

**Key words:** Araliaceae; *Brassaiopsis*; *Schefflera*; *Brassaiopsis producta* (Dunn) C. B. Shang; *Schefflera atrifoliata* R. H. Miao; Identity

*Schefflera atrifoliata* R. H. Miao (Fig. 1) was described by Miao<sup>[1]</sup> based on a collection (Z. R. Xu LE583) from Libo Xian, Guizhou Province, China. Xiang & Lowry<sup>[2]</sup> reduced it to the synonym of *Schefflera heptaphylla* (L.) Frodin based on Miao's description. As pointed out by Miao in the original description, *Schefflera atrifoliata* can be easily distinguished from *S. heptaphylla* by its serrate leaflets and umbels arranged in racemes. *S. heptaphylla* has entire leaflets and umbels arranged in compound panicles. After examining the type specimen of the new species, we found that the plant is well identical to *Brassaiopsis producta* (Dunn) C. B. Shang except for the stems without prickles. *Brassaiopsis* Decne & Planch. is easily distinguished from *Schefflera* J. R. Forst. & G. Forst. by its prickled stems and branches (vs. unprickled) and 2-5-

loculed ovary (vs. 5-12-loculed)<sup>[2-4]</sup>, but these two important characters were not mentioned in Miao's original description. We dissected one fruit from the type specimen of *S. atrifoliata*, and found that it has 3-loculed ovary which is in accordance with the characters of *Brassaiopsis* (Fig. 2). In the field, we found that *B. producta* sometimes have fewer prickles on the stem especially on the top of the branches (Fig. 3). So, it is presumed that the prickles do not exist on the type specimen of *Schefflera atrifoliata*, because the stem collected was too short. Therefore, we reduced *S. atrifoliata* R. H. Miao to the synonym of *Brassaiopsis producta* (Dunn) C. B. Shang.

*Brassaiopsis producta* (Dunn) C. B. Shang<sup>[5]</sup> was originally described as *Heptapleurum productum* Dunn<sup>[6]</sup>, and later transferred to *Schefflera* by Viguier<sup>[7]</sup>. Li<sup>[8]</sup> placed it in *Schefflera* and pointed

out that it is very similar in appearance to some species of *Brassaiopsis* Decne. & Planch. Because no specimens were available for study, Hoo & Tseng<sup>[3,9]</sup> recognized this species in *Schefflera* and

simultaneously published a new species, *Brassaiopsis pentalocula* G. Hoo (Fig. 1) for this taxon in *Brassaiopsis*.



Fig. 1 Type of *Schefflera atrifoliata* R. H. Mian



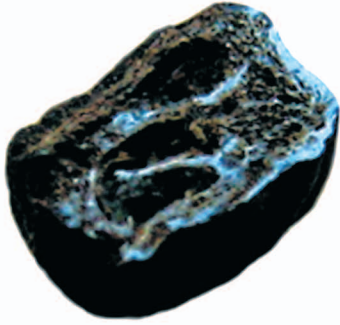


Fig. 2 Transitional section of fruit of *Schefflera atrifoliata* R. H. Miao showing number of ovary locules.

*Brassaiopsis producta* (Dunn) C. B. Shang, *Candollea*, **39** (2): 485. 1984. — *Heptapleurum productum* Dunn, *J. Linn. Soc., Bot.* **35**: 499. 1903. — *Schefflera producta* (Dunn) R. Vig., *Ann. Sci. Nat. Bot. sér.* **9**, **9**: 351. 1909; H. L. Li, *Sargentia* **2**: 23. 1942; G. Hoo & C. J. Tseng, *Fl. Reipubl. Popularis Sin.* **54**: 47. 1978. TYPE: China. Yunnan: Mengtze, 1600 m, A. Henry 9350 (holotype, BM).

*Schefflera atrifoliata* R. H. Miao, *Acta Sci. Nat. Univ. Sunyatseni*, **32** (4): 62, 1993. syn. nov. TYPE: China. Guizhou: Libo, 1983-07, Zh. R. Xu LE583 (holotype, SYS!).

*Brassaiopsis pentalocula* G. Hoo, *Acta Phytotax. Sin.*, *Addit.* **1**: 150. 1965. TYPE: China. Yunnan: Xichou Xin, Fadou, 1500-1600 m, 1947-09-23, K. M. Feng 11970 (holotype, PE!; isotypes, KUN!, WUK!).

*Schefflera octophylla* auct. non (L.) Frodin: Q. B. Xiang & P. P. Lowry, *Fl. China*. **13**: 461. 2007, quod syn. *S. atrifoliata*.

**Distribution and habitat.** This species is distributed in China (Guangxi, Guizhou, Yunnan) and Vietnam<sup>[2,4,10-13]</sup>. It grows in scrub or dense forests on limestone hills below 1600 m.

**Additional specimens examined. China. Guangxi:** Leye, Exped. Lingle 33303 (IBK); Longlin, C. C. Chang 10783 (IBK, IBSC), C. C. Chang 10731 (IBK, IBSC); Longzhou, P. T. Tam 57298 (IBSC).



Fig. 3 Branch of *Brassaiopsis producta* (Dunn) C. B. Shang. A. Prickled branch; B. Unprickled branch.

**Guizhou:** Anlung, Y. Tsiang 7479 (PE); Dushan, Y. Tsiang 7046 (PE); Libo, F. L. Chen LB2283 (IBSC), F. L. Chen LB3023 (IBSC); Pingtang, Y. Tsiang 7110 (PE). **Yunnan:** Funing, C. W. Wang 88882 (HITBC, PE); Guangnan, C. W. Wang 87895 (KUN, PE), C. W. Wang 87492 (KUN); Lancang, C. W. Wang 76489 (PE); Malipo, C. W. Wang 86319 (PE), C. W. Wang 86757 (KUN); Xichou, K. M. Feng 12443 (KUN, PE), K. M. Feng 11970 (PE), Jian Zhuopo 702 (PE), Jian Zhuopo 772 (PE), C. W. Wang 81268 (KUN, PE). **Vietnam. Lao Cai:** Chapa, Pételot 4567 (P).

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