

中国爵床属(爵床科)新名称

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摘要:在编写《广东植物志》爵床科的过程中,我们采用广义爵床属 *Justicia* 的概念,因此有部分种类的名称需要重新组合。提出了爵床属 4 个新名称:矮爵床 *J. demissa* N. H. Xia & Y. F. Deng, 海南爵床 *J. hainanensis* (C. Y. Wu & H. S. Lo) N. H. Xia & Y. F. Deng, 线叶爵床 *J. neolinerifolia* N. H. Xia & Y. F. Deng 和两广线叶爵床 *J. neolinerifolia* N. H. Xia & Y. F. Deng subsp. *liangkwanensis* (H. S. Lo) N. H. Xia & Y. F. Deng。

关键词:爵床科;爵床属;中国;新组合;新名称;分类

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Nomenclatural Novelties in *Justicia* Linn. (Acanthaceae) from China

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Abstract: In the course of preparing the manuscript of Acanthaceae for Flora of Guangdong, broad concept of *Justicia* is accepted. Two new names (*J. demissa* and *J. neolinerifolia*) and two new combinations (*J. hainanensis* and *J. neolinerifolia* subsp. *liangkwanensis*) are proposed.

Key words: Acanthaceae; *Justicia*; China; New combination; New name; Taxonomy

Justicia Linn. s. l. is one of the largest genera in Acanthaceae, which consists of about 300 species^[1,2] distributed in tropical and subtropical regions. Most Asian botanists divided the genus *Justicia* into many small genera^[3], but the recent studies suggested that the broad concept of *Justicia* would be accepted^[4,5]. The genus is characterized by herbaceous or shrubby perennials, inflorescence a simple spike, or compound with dichasial or spicate subunits, rare a solitary flower, calyx 4-5-partite, corolla tubular or bilabiate, the upper lip bilobed, the lower lip trilobed, anthers 2, ditheous (rarely monotheous), ovary with 2 ovules per locule, capsule 4-seeded^[1].

In the course of preparing the manuscript of Acanthaceae for Flora of Guangdong, broad concept

of *Justicia* is accepted. Some nomenclatural changes in *Justicia* are necessary for the forthcoming volume of Flora of Guangdong.

1 海南赛爵床(海南植物志)

Justicia hainanensis (C. Y. Wu & H. S. Lo) N. H. Xia & Y. F. Deng, comb. nov. — *Calophanoides hainanensis* C. Y. Wu & H. S. Lo, Fl. Hainan, 3: 567 & 597, f. 938. 1974. TYPE: China. Hainan: Ledong, S. K. Lau 27415 (holotype, IBSC).

The species is closed to *J. kwangsiensis* (H. S. Lo) H. S. Lo, but differs in its pubescent stems and leaves (vs. glabrous).

The species is restricted to Hainan Province, China.

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2 矮爵床 (海南植物志)

Justicia demissa N. H. Xia & Y. F. Deng, nom. nov. — *Rostellularia humilis* H. S. Lo, Fl. Hainan, 3: 570 & 598. 1974, non *Justicia humilis* Michaux (1803), nec *Justicia humilis* Green ex Nees (1847). TYPE: China. Hainan: Danxian, 1935-5-15, H. Y. Liang 68694 (holotype, IBSC).

Rostellularia humilis Lo^[6] was described from a specimen collected from Hainan Province. Since it is transferred to *Justicia*, a new name is needed because the prior homonym *Justicia humilis* Michaux, which is a synonym of *Justicia ovata* (Walter) Lindau, has been used for another plant^[1].

Justicia demissa is only known from its type locality, Danxian (now Danzhou), Hainan Province, China.

3 线叶爵床 (植物分类学报)

Justicia neolinearifolia N. H. Xia & Y. F. Deng, nom. nov. — *Rostellularia linearifolia* Bremek., Proc. K. Nederl. Akad. Wet., Ser. C, 60: 5. 1957. non *Justicia linearifolia* Lam. (1785). — *Justicia linearifolia* (Bremek.) H. S. Lo in Fang et al., Guihaia, 17:58. 1997, "linearifolia", non Lam. (1785). TYPE: Laos, Savannakhêt, Seno, 25 May, 1952, Vidal 1730 (holotype, U, n.v.)

Based on *Rostellularia linearifolia* Bremek., Lo^[4] proposed the combination of *Justicia linearifolia* (Bremek.) H. S. Lo. which is illegitimate because of the existence of an earlier homonym *Justicia linearifolia* Lam., a synonym of *J. americana* (L.) Vahl.^[9]

Justicia neolinearifolia is endemic to Thailand.

4 两广线叶爵床 (植物分类学报)

Justicia neolinearifolia N. H. Xia & Y. F. Deng subsp. *liangkwanensis* (H. S. Lo) N. H. Xia & Y. F.

Deng, comb. nov. — *Rostellularia linearifolia* Bremek. subsp. *liangkwanensis* H. S. Lo, Acta Phytotax. Sin. 17 (4):87. 1979. — *Justicia linearifolia* (Bremek.) H. S. Lo subsp. *liangkwanensis* (S. H. Lo) H. S. Lo, Guihaia, 17 (1):59. 1997. TYPE: China. Guangxi: Nanning, 1935-11-14, H. Y. Liang 67184 (holotype, IBSC).

This subspecies is restricted to Guangdong and Guangxi and differs from subsp. *linearifolia* in inflorescences pubescent (vs. glabrous), leaves 2–4.5 mm broad (vs. 1.2–1.4 mm)^[3].

References

- [1] Graham V A W. Delimitation and infra-generic classification of *Justicia* (Acanthaceae) [J]. Kew Bull, 1988, 43:551–624.
- [2] Mabberly D J. The plant-book: A Portable Dictionary of the Vascular Plants, 2nd ed [M]. Cambridge: Cambridge University Press, 1997.
- [3] Hu C C. Acanthaceae [A]. In: Hu C C. Florae Reipublicae Popularis Sinicae Tomus 70 [M]. Beijing: Science Press, 2002. 1–309. (in Chinese)
- [4] Fang D (方鼎), Lo X R (罗献瑞), Tang H T (唐恢天). New materials for Acanthaceae from Guangxi [J]. Guihaia (广西植物), 1997, 17(1):23–59. (in Chinese)
- [5] McDade L A, Daniel T F, Masta S E, et al. Phylogenetic relationship within the tribe Justiceae (Acanthaceae); evidence from molecular sequences, morphology, and cytology [J]. Ann Missouri Bot Gard 2000, 87(4):435–458.
- [6] Guangdong Institute of Botany (广东植物研究所). Flora Hainanica, Tome 3 [M]. Beijing: Science Press, 1975. 1–629. (in Chinese)
- [7] Bremekamp C E B. Some new Acanthaceae and Rubiaceae from Laos (Indo-China) [J]. Kom Ned Akad Wet, 1957, 60:1–8.
- [8] Lamarck J B A P M. Encyclopédie Méthodique, Botanique [M]. Paris: Agasse, 1785. 1(2):625–633.
- [9] Nees von Esenbeck C G. Acanthaceae [A]. In: De Candolle A L P P. Prodrromus Systematics Naturalis Regni Vegetabilis Pars 11 [M]. Paris: Sumptibus Victoris Masson, 1847. 46–519.