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短多穗扁莎(莎草科)的合格发表

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摘要:合格发表莎草科一新变种—短多穗扁莎草 *Pycreus polystachyos* (Rottb.) P. Beauv. var. *brevispiculatus* How ex Y. F. Deng。该变种与原变种 *Pycreus polystachyos* (Rottb.) P. Beauv. var. *polystachyos* 的区别在于秆高 8~15 cm,辐射枝极短或近无,小穗多数,簇生成头状,长 4~7 mm,具 6~14 朵花,鳞片褐色或黄褐色。

关键词:莎草科;扁莎草属;合格发表;中国
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Validation of *Pycreus polystachyos* var. *brevispiculatus* (Cyperaceae)

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Abstract: A new variety, *Pycreus polystachyos* (Rottb.) P. Beauv. var. *brevispiculatus* How ex Y. F. Deng, is validly published here. It differs from var. *polystachyos* in its culms 8~15 cm tall, anthela rays abbreviated or nearly absent, spikelets many, congested into nearly a head, 4~7 mm, 6~14-flowered, scales brown or yellowish-brown.

Key words: Cyperaceae; *Pycreus*; Validation; China

Pycreus P. Beauv. is a pantropical genus of the family Cyperaceae and consists of about 100 species[1]. The genus is closely related to *Cyperus* Linn. and differs in the laterally compressed achenes[1]. It was sometimes treated as a subgenus of *Cyperus*[2-7], but separation of *Pycreus* was widely accepted in recent studies[8-13].

Pycreus polystachyos (Rottb.) P. Beauv. var. *brevispiculatus* How[8-9], originally proposed in *Cyperus* as *C. polystachyos* Rottb. var. *brevispiculatus* How[4], is a sedge endemic to Guangdong, China. While preparing the manuscript of Cypraceae for *Flora of Guangdong* and *Flora of Hong Kong*, I became aware that the name either *Pycreus polystachyos* (Rottb.) P. Beauv. var. *brevispiculatus* How or *Cyperus polystachyos* Rottb. var. *brevispiculatus* How was not validly published according to Art. 36 of Vienna's ICBN[14] because no Latin description or diagnosis was provided. *Pycreus polystachyos* (Rottb.) P. Beauv. var. *brevispiculatus* How differs from variety *polystachyos* in its culms 8~15 cm tall (vs. 15~60 cm), anthela rays abbreviated or nearly absent (vs. elongate to 3.5 cm), spikelets several congested into nearly a head, 4~7 mm (vs. 7~18 mm), 6~14-flowered (vs. 10~30-flowered), glumes yellowish brown (straw-color or reddish brown). The Latin diagnosis is provided below in order to validate the name.

Pycreus polystachyos (Rottb.) P. Beauv. var. *brevispiculatus* How ex Y. F. Deng, var. nov. Type: China. Guangdong: Guangzhou City, Henan Island, on wet place, 1953-01-16, S. H. Chun 8161 (holotype, IBSC).

A var. *polystachye* differt culmo humiliore nonnisi 8~15 cm alto, bracteis interdum ad 7, anthelis subcapitato-contractis multispiculosis, radiis brevissimis vel nullis, spiculis numerosis brevibus dense fasciculatis, 4~7 mm longis, 6~14-floribus,

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glumis brunneis vel flavo-brunneis.

Distribution and habitat. The variety is known only from Guangdong Province, China. It is common in wet place at below 700 m.

Etymology. The variety epithet is from Latin "*brevispiculatus*" because this variety has short spikelet.

Phenology. Flowering and fruiting in December to next July.

Paratypes. China. Guangdong: Yangchun City, Heweishan, alt. 650 m, on grassland, 1957-06-07, Exped. Zhanjiang 4272 (IBSC); Gaoyao Xian, Dinghushan, 1955-12-23, S. Wang 161240 (IBSC).

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