



Research Article

Lectotypification of four accepted names and six synonyms in the genus *Agrostistachys* (Euphorbiaceae)

Tapas Chakrabarty*¹ and G. Krishna²¹4, Botanical Garden Lane, Howrah – 711 103, West Bengal, India.²Central National Herbarium, Botanical Survey of India, Botanic Garden, Howrah – 711 103, West Bengal, India.

Abstract: Lectotypes are designated for four accepted names and six synonyms in the Indo-Malesian genus *Agrostistachys* Dalzell (Euphorbiaceae) in accordance with the ICN.

Keywords: Euphorbiaceae; *Agrostistachys* Dalzell; Lectotypification

Introduction

While reviewing a manuscript received from a journal on the genus *Agrostistachys* Dalzell relating to India, one of us (TC) came across the publication of Sevilla & Welzen (2001) on a comprehensive taxonomic revision of this Indo-Malesian genus, comprising six species. However, it is found that four accepted names and six synonyms in the genus require lectotypification for unambiguous use of these names. Hence lectotypes are designated here for these ten names.

Lectotypification

Agrostistachys borneensis Becc., *Nelle Foreste di Borneo* 331. 1902; Sevilla & Welzen, *Blumea* 46: 78. 2001.

Type (lectotype, designated here): MALAYSIA: Borneo, Sarawak, Kuching, Feb. 1867, *O. Beccari* PB 3117 (FI008147: **image!**; isolectotype K000950657: **image!**). *Residual syntypes*: MALAYSIA: Borneo, Sarawak, Mattang, Apr. 1866, *O. Beccari* 1381 (FI008145: **image!**, FI008146: **image!**). MALAYSIA: Borneo, Sarawak, Kuching, 17 Jan. 1893, *O. Beccari* 3176 (K000950660: **image!**).

= *Saroclinium longifolium* Wight, *Icon. Pl. Ind. Orient.* 5(2): 24, tt.1887, 1888. 1852; Noltie, *Bot. Robert Wight* 269. 2005.

Type (lectotype, designated here): INDIA: Peninsula Indiae Orientalis, Valla Caubro, Dec. 1850, *Wight* Kew Distrib. No. 2612 (K000246923: **image!**). *Residual syntype*: INDIA: Peninsula Indiae Orientalis, Without precise locality, *Wight* Kew Distrib. No. 2612 (GH00095534: **image!**).

= *Agrostistachys longifolia* (Wight) Trimen var. *latifolia* Hook.f., *Fl. Brit. India* 5: 407. 1887. – *Agrostistachys latifolia* (Hook.f.) Pax & K. Hoffm., *Engl., Pflanzenr.* IV. 147. vi (Heft 57): 100. 1912.

Type (lectotype, designated here): MALAYSIA: Perak, Larut, Oct. 1882, *King's collector* 3459 (K000950670: **image!**). *Residual syntypes*: MALAYSIA: Perak, Larut, Oct. 1882, *King's collector* 3523 (CAL0000023722!, CAL0000023723!,

CAL0000023724!, G00383800: **image!**, K000950671: **image!**); *ibid.*, *B. Scortechini* 1985 (K000950672: **image!**); *ibid.*, *B. Scortechini s. n.* (FI013340: **image!**, G00383799: **image!**).

= *Agrostistachys meeboldii* Pax & K. Hoffm., *Engl., Pflanzenr.* IV. 147. vi (Heft 57): 100, f. 19 A–D. 1912.

Type (lectotype, designated here): INDIA: Tamil Nadu, Tirunelveli District, Courtallam, Feb. 1836, *Wight* Kew Distrib. No. 2612 (K000246924: **image!**; isolectotypes CAL0000023720!, K000246922: **image!**). *Syntype*: [icon] Pax & K. Hoffm., *Engl., Pflanzenr.* IV. 147. vi (Heft 57): 100, f. 19 A–D. 1912.

= *Agrostistachys leptostachya* Pax & K. Hoffm., *Engl., Pflanzenr.* IV. 147. vi (Heft 57): 102. 1912.

Type (lectotype, designated here): MALAYSIA: Borneo, Sarawak, Baram District, Entoyut River, 10 Nov. 1894, *C. Hose* 162 (K000950658: **image!**; isolectotypes A00299888: **image!**, K000950659: **image!**, L0033860: **image!**). *Residual syntypes*: MALAYSIA: Borneo, Sarawak, Mattang, Apr. 1866, *O. Beccari* 1381 (FI008145: **image!**, FI008146: **image!**).

Note: The earlier lectotypification of the names *Agrostistachys borneensis* Becc. and *A. leptostachya* Pax & K. Hoffm. by Sevilla & Welzen (2001) was not in accordance with the Article 7.11 of the ICN (Turland *et al.*, 2018) as they used the phrase “proposed here” instead of “designated here” (*hic designatus*) or an equivalent. The syntype materials of *A. meeboldii*, viz. *Meebold* 13048 and *Meebold* 13079 examined and cited by Pax & Hoffmann (1912) are not extant (destroyed in the Berlin herbarium during World War II), nor any duplicate could be traced out during the present studies. However, duplicates of the syntype *Wight* Kew Distrib. No. 2612 (a mixture of different collections) are available in different herbaria which are also the syntypes of an earlier name, *Saroclinium longifolium*

*Corresponding Author:

Dr. Tapas Chakrabarty,

Ex Scientist, Botanical Survey of India,
4, Botanical Garden Lane, Howrah – 711 103,
West Bengal, India.

E-mail: tchakrab@gmail.com



Wight. The specimen from “Valla Caubro” is designated as the lectotype of *Sarcoclinium longifolium* while that from “Courtallam” is designated as lectotype for *Agrostistachys meeboldii*.

Agrostistachys gaudichaudii Müll.Arg., *Linnaea* 34: 144. 1865; DC., *Prodr.* 15(2): 725. 1866; Sevilla & Welzen, *Blumea* 46: 81. 2001. – *Sarcoclinium gaudichaudii* Baill. [*Étude Euphorb.* 310. 1858, *nom. nud.*].

Type (lectotype, designated here): MALAYSIA: Penang, *Gaudichaud* 66 (P00091292: **image!**; isolectotypes A00045529: **image!**, G00313088: **image!**, G00383758: **image!**, P00091293: **image!**, P00091294: **image!**, P00634938: **image!**, P00634939: **image!**).

= *Agrostistachys filipendula* Hook.f., *Fl. Brit. India* 5: 407. 1887.

Type (lectotype, designated here): MALAYSIA: Perak, Larut, Mar. 1884, *King's collector* 5736 (K000950665: **image!**; isolectotypes CAL0000023726!, FI013341: **image!**, G00383759: **image!**, K000950666: **image!**, L0033796: **image!**, L0160638: **image!**, L0160639: **image!**). *Residual syntypes*: MALAYSIA: Perak, Larut, Jul. 1883, *King's collector* 4669 (CAL0000023727!, G00383760: **image!**, K000950667: **image!**); *ibid.*, Mar. 1886, *King's collector* 8629 (FI013342: **image!**). Singapore, R. W. Hullett s. n. (K000950664: **image!**); *ibid.*, Changhie, Mar. 1885, R. W. Hullett 852 (CAL0000023725!, K000950663: **image!**).

Note: The lectotype of the name *Agrostistachys gaudichaudii* Müll.Arg. designated by Sevilla & Welzen (2001) was not in accordance with the Article 7.11 of the ICN (Turland *et al.*, 2018).

Agrostistachys hookeri (Thwaites) Trimen, *Syst. Cat. Fl. Pl. Ceylon* 81. 1885; Philcox, *Dassan. & Clayton, Rev. Handb. Fl. Ceylon* 11: 126. 1997. – *Sarcoclinium hookeri* Thwaites, *Enum. Pl. Zeyl.* 279. 1861.

Type (first-step lectotype, designated by Philcox, 1997): “Type: Ceylon, Ratnapura District, near Eknaligodde, *s.coll.* in *C.P.* 3429 (K).” *Second-step lectotype* (designated here): SRI LANKA: Ratnapura District, Near Eknaligodde, *Thwaites* CP [Ceylon Plants] 3429 (K000246918: **image!**; isolectotypes BR0000006999636: **image!**, BR0000006999759: **image!**, CAL0000023717!, CAL0000023718!, CAL0000023719!, G00383757: **image!**, GH00095535: **image!**, K000246919: **image!**,

K000246920: **image!**, L0033833: **image!**, P00634940: **image!**, P00634941: **image!**).

Agrostistachys indica Dalzell, *Hooker's J. Bot. Kew Gard. Misc.* 2: 41. 1850.

Type (lectotype, designated here): INDIA: Without precise locality [Bombay], N. A. Dalzell s. n. (K000246914: **image!**). *Residual syntypes*: INDIA: Without precise locality [Bombay], N. A. Dalzell s. n. (CAL0000023721!, GH00095532: **image!**, K000246915: **image!**).

= *Heterocalyx laoticus* Gagnep., *Notul. Syst. (Paris)* 14: 33. 1950.


Type (lectotype, designated here): LAO PEOPLE'S DEMOCRATIC REPUBLIC: Laos, Tawiang, Chieng-kwang, 4 Apr. 1932, A. F. G. Kerr 20895A (P00634943: **image!**; isolectotypes K000950662: **image!**, L0015972: **image!**). *Residual syntypes*: LAO PEOPLE'S DEMOCRATIC REPUBLIC: Laos, Tawiang, Chieng-kwang, 4 Apr. 1932, A. F. G. Kerr 20895 (K000950661: **image!**, L0015971: **image!**, L0033836: **image!**, P00634942: **image!**).

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