

NOTES ON THE DISTRIBUTION, TAXONOMY AND NOMENCLATURE OF
SOME SOUTH INDIAN ORCHIDS

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ABSTRACT

This paper deals with (i) new distribution of 13 species and (ii) taxonomy and nomenclature of 43 taxa since the publication on the family Orchidaceae by C. E. C. Fischer (1928) in Gamble's *Flora of the Presidency of Madras*.

INTRODUCTION

Since C. E. C. Fischer's (1928) work on the family Orchidaceae in Gamble's *Flora of the Presidency of Madras* some additions—both new taxa and new records for the area—have been published by Fischer (1938), Summerhayes (1955), Joseph (1962, 1963), Balakrishnan (1964), Rao (1964), Rao & Ahuja (1968), Subba Rao & Kumari (1968), Vajravelu & Rathakrishnan (1968), Vivekananthan (1968) and Ellis & Swaminathan (1969). Recent workers like Summerhayes (1955), Santapau & Kapadia (1959, 1961, 1962), Holttum (1962, 1964), Rao (1963), Balakrishnan (1966) and Hunt (1970) have given different taxonomic concepts on certain taxa which have resulted in the 'splitting' or 'lumping' up of the following taxa: *Anoectochilus rotundifolius*, *Brachycorythis splendida*, *B. wightii*, *Eria mysorensis*, *Gastrochilus calceolaris*, *Kingidium decumbens*, *Liparis viridiflora*, *Nervilia crispata* and *Polystachya flavescentis*. In addition, some of the plants have been transferred to different taxa such as *Ephemerantha macraei*, *Habenaria gibsonii* var. *foliosa*, *Malaxis densiflora*, *M. stocksii*, *M. versicolor*, *Malleola gracilis*, *Panisea uniflora*, *Pomatocalpa mannii*, *Schoenorchis filiformis* and *Trichoglottis tenera*. In certain floras *Spiranthes sinensis* has been treated as taxonomic synonym under *S. lancea* because of the mistaken identity of *Ophrys lancea*.

Coming to nomenclature many changes have been effected due to the strict application of the Code. Many workers through their critical search of literature have been able to reinstate the old epithets which had escaped earlier workers; following are the examples: *Acampe praemorsa*, *Calanthe triplicata*, *Cottonia peduncularis*, *Epipogium roseum*, *Habenaria longicorniculata*, *H. virens*, *Liparis caespitosa*, *Nervilia discolor*, *Peristylus densus*, *P. secundus*, *Vanda testacea* and *Zeuxine gracilis*. It is

interesting to note that new names such as *Habenaria grandifloriformis*, *H. hollandiana* and *Oberonia santapau* have been proposed against their respective later homonyms. Furthermore, superfluous new combinations are seen to have been made in the following: *Dendrobium wightii*, *Eulophia cullenii* and *Tainia bicornis*.

In the following pages all these aspects have been brought under two groups, i.e., (i) New distribution and (ii) Taxonomy and nomenclature. The taxa have been alphabetically arranged with appropriate comments wherever necessary.

NEW DISTRIBUTION

Acampe ochracea (Lindl.) Hochr. in Bull. New York Bot. Gard. 6: 270. 1910. *Saccolabium ochraceum* Lindl. in Bot. Reg. misc. 2. 1842; Hook. f. Fl. Brit. India 6: 62. 1890; R. S. Rao in Journ. Bombay nat. Hist. Soc. 61: 323. 1964.

Epiphytes.

E. GHATS: Gudem-Visakhapatnam.

Aphyllorchis prainii Hook. f. Fl. Brit. India 6: 117. 1890, et in Hook. f. Icon. Pl. t. 2192. 1894; Vajravelu & Rathak. in Bull. bot. Surv. India 10: 99. 1968.

Saprophytes.

W. GHATS: Cadamonay-Mysore, Silent Valley-Palghat, Camp Gorge-Nilgiris.

Brachycorythis Lindl.

V. S. Summerhayes (1955) merged the genus *Phyllomphax* Schlechter with *Brachycorythis* Lindl., based on the structure of column. He differentiated three South Indian species as follows, of which the last two constitute additions to the *Flora of the Presidency of Madras*.

- Petals adnate to intermediate (dorsal) sepal to form hood over the column
 Epichile of lip 5.5-11.0 mm long, obovate or orbicular-obovate with a central triangular apiculus ... *B. iantha*
 Epichile of lip 12.0-23.0 mm long, broadly obcordate with a large sinus; the central apiculus very small or absent. ... *B. splendida*
 Petals free from intermediate sepal ... *B. wightii*

Brachycorythis splendida Summerh. in Kew Bull. 1955: 240. 1955. *Habenaria iantha* Hook. f. Fl. Brit. India 6: 164. 1890, *descr. tantum partim, excl. synonym. Phyllomphax obcordata* (D. Don) Schltr. var. *iantha* (Hook. f.) Fischer in Gamble, Fl. Madras 1476. 1928.
 Terrestrial herbs.

W. GHATS: Calicut. S. GHATS: Anamalais, High Wavy mountains and Devicolam-Kottayam, Kodai-kanal.

B. wightii Summerh. in Kew Bull. 1955: 242. 1955. *Habenaria iantha* Hook. f. Fl. Brit. India 6: 164. 1890, *quoad descr. partim, excl. synonym.*
 Terrestrial herbs.
 S. GHATS: Trivandrum.

Cheirostylis parvifolia Lindl. in Bot. Reg. misc. 20. 1839; Hook. f. Fl. Brit. India 6: 105. 1890; Fischer in Kew Bull. 1938: 126. 1938.
 Terrestrial herbs.
 S. GHATS: Nadugani-Tirunelveli.

Eulophia explanata Lindl. Gen. Sp. Orch. 180. 1833; Hook. f. Fl. Brit. India 6: 3. 1890; Subba Rao & Kumari in Bull. bot. Surv. India 9: 188. 1967.
 Terrestrial herbs.
 ANDHRA PLAINS: Cheedipalem-E. Godavari.

Habenaria furcifera Lindl. Gen. Sp. Orch. 319. 1835; Hook. f. Fl. Brit. India 6: 149. 1890; Balak. in Bull. bot. Surv. India 6: 91. 1964.
 Terrestrial herbs.

E. GHATS: Araku Valley, Curangi-Ganjam. W. GHATS: Benne, Moyar and Mudumalai-Nilgiris, Bandipur-Mysore. KERALA PLAINS: Sappal Hill-Palghat.

Liparis prazeri King & Pantl. in Journ. As. Soc. Bengal 2, 66: 582. 1897; Ellis & Swamin. in Journ. Bombay nat. Hist. Soc. 66: 233. 1969.
 Terrestrial herbs.

E. GHATS: Nallamalais. W. GHATS: Benne-Nilgiris, Sultan's Battery-Calicut.

Malleola rosea (Lindl.) Schltr. in Fedde, Repert. Beih. 1: 981. 1913, *in obs. Saccolabium roseum* Lindl. Gen. Sp. Orch. 225. 1833; Hook. f. Fl. Brit. India 6: 58. 1890; Joseph in Journ. Indian bot.

Soc. 41: 297. 1962.

Epiphytes.

W. GHATS: Naduvattam-Nilgiris. S. GHATS: Anamalais.

Oberonia anamalayana Joseph in Journ. Indian bot. Soc. 42: 222. 1963.

Epiphytes or Lithophytes.

W. GHATS: Anamalais. S. GHATS: Trivandrum.

O. iridifolia Lindl. Gen. Sp. Orch. 15. 1830; Hook. f. Fl. Brit. India 5: 675. 1888.

Epiphytes.

S. GHATS: Peermade-Kottayam.

Trias stocksii Benth. ex Hook. f. Fl. Brit. India 5: 781. 1890; Vivek. in Bull. bot. Surv. India 10: 241. 1968.

Epiphytes.

S. GHATS: Peermade-Kottayam.

Tropidia curculigoides Lindl. (in Wall. Cat. 7386A. 1832, *nom. nud.*) Gen. Sp. Orch. 497. 1840; Hook. f. Fl. Brit. India 6: 93. 1890; Rao & Ahuja in Bull. bot. Surv. India 10: 365. 1968.
 Terrestrial herbs.

S. GHATS: Thenmalai-Quilon.

TAXONOMY AND NOMENCLATURE

Acampe praemorsa (Roxb.) Blatt. & McC. in Journ. Bombay nat. Hist. Soc. 35: 495. 1932. *Epidendrum praemorsum* Roxb. Cor. Pl. 1: 34, t. 43. 1795. *Saccolabium praemorsum* (Roxb.) Hook. f. Fl. Brit. India 6: 62. 1890. *Acampe wightiana* Lindl. Fol. Orch. 2. 1853; Fischer in Gamble, Fl. Madras 1447. 1928. *Saccolabium wightianum* (Lindl.) Hook. f. Fl. Brit. India 6: 62. 1890.

Anoectochilus rotundifolius (Blatt.) Balak. in Journ. Bombay nat. Hist. Soc. 63: 330. 1966. *Odontochilus rotundifolius* Blatt. in Journ. Bombay nat. Hist. Soc. 32: 521. 1928; Fischer in Gamble, Fl. Madras 1453. 1928.

Holttum (1964) has advocated for the lumping of the genus *Odontochilus* Bl. under *Anoectochilus* Bl., based on the size of the spur, the only character on which the former genus was founded by Blume in 1858.

Brachycorythis iantha (Wt.) Summerh. in Kew Bull. 1955: 238. 1955. *Platanthera iantha* Wt. Icon. 5(1): 11, t. 1692. 1851. *Habenaria galeandra* Benth. var. *nilagirica* Hook. f. Fl. Brit. India 6: 164. 1890. *Phyllomphax obcordata* (D. Don) Schltr. in Fedde, Repert. 16: 119. 1919; Fischer in Gamble, Fl. Madras 1476. 1928.

- Calanthe triplicata** (Willem.) Ames in Philip. Journ. Sci. Bot. 2: 326. 1907; Holttum, Rev. Fl. Malaya 1: 154. 1964. *Orchis triplicata* Willem. in Usteri Ann. Bot. 6: 52. 1796. *Calanthe veratrifolia* (Willd.) R. Br. in Bot. Reg. t. 720. 1823; Hook. f. Fl. Brit. India 5: 851. 1890; Fischer in Gamble, Fl. Madras 1432. 1928.
- Cottonia peduncularis** (Lindl.) Reichb. f. in Cat. Orch. Schiller 52. 1857; Sant. & Kapadia in Journ. Bombay nat. Hist. Soc. 59: 837. 1962. *Vanda peduncularis* Lindl. Gen. Sp. Orch. 216. 1833. *Cottonia macrostachya* Wt. Icon. 5(1): 21, t. 1755. 1851; Hook. f. Fl. Brit. India 6: 26. 1890; Fischer in Gamble, Fl. Madras 1439. 1928.
- Dendrobium wightii** A. D. Hawkes & A. H. Heller in Orquidea 24: 16. 1962. *D. graminifolium* Wt. Icon. 5(1): 6, t. 1649. 1851, non Willd. (1805); Hook. f. Fl. Brit. India 5: 718. 1890; Fischer in Gamble, Fl. Madras 1415. 1928. *D. wightii* Balak. in Journ. Bombay nat. Hist. Soc. 67: 66. 1970.
- Ephemerantha macraei** (Lindl.) P. F. Hunt & Summerh. in Taxon 10(4): 105. 1961. *Dendrobium macraei* Lindl. Gen. Sp. Orch. 75. 1830; Hook. f. Fl. Brit. India 5: 714. 1890, *pro parte*. *Desmotrichum fimbriatum auct. non* Bl. Bijdr. 329. 1825; Fischer in Gamble, Fl. Madras 1412. 1928, *quoad descr. tantum, excl. nom.*
- Narayanaswami (1946) has at great length discussed about the identity of *Dendrobium macraei* Lindl. and *Desmotrichum fimbriatum* Bl. According to him they are entirely different taxa and the latter species being treated as synonym under the former is erroneous.
- Epipactis veratrifolia** Boiss. Diagn. ser. 1: 11. 1842. *E. consimilis* Wall. ex Hook. f. Fl. Brit. India 6: 126. 1890, non D. Don (1825); Fischer in Gamble, Fl. Madras 1460. 1928.
- Epipogium roseum** (D. Don) Lindl. in Journ. Linn. Soc. 1: 177. 1857; Sant. & Kapadia in Journ. Bombay nat. Hist. Soc. 60: 97. 1963. *Limodorum roseum* D. Don, Prodr. Fl. Nep. 30. Febr. 1825. *Epipogium nutans* Reichb. f. in Bonpland. 5: 36. 1857; Hook. f. Fl. Brit. India 6: 124. 1890; Fischer in Gamble, Fl. Madras 1460. 1928.
- Eria mysorensis** Lindl. in Journ. Linn. Soc. 3: 54. 1858; Hook. f. Fl. Brit. India 5: 793. 1890; Sant. & Kapadia in Journ. Bombay nat. Hist. Soc. 58: 598. 1961. *E. pubescens* Wt. Icon. 5(1): 4, t. 1634. 1851, non Lindl. (1825); Hook. f. Fl. Brit. India 5: 793. 1890; Fischer in Gamble, Fl. Madras 1425. 1928.
- C. E. C. Fischer (1928) has treated *E. mysorensis* Lindl. as synonym under *E. polystachya* A. Rich. Santapau & Kapadia (1961) consider the former as a distinct species.
- Eulophia cullenii** (Wt.) Bl. Orch. Archip. Ind. 182. 1858, in obs. *Cyrtopera cullenii* Wt. Icon. 5(1): 21, t. 1754. 1851. *Eulophia flava* (Lindl.) Hook. f. Fl. Brit. India 6: 7. 1890, *pro parte*. *E. cullenii* (Wt.) Fischer in Gamble, Fl. Madras 1435. 1928.
- Gastrochilus calceolaris** (Buch.-Ham. ex Sm.) D. Don, Prodr. Fl. Nep. 32. 1825; Holttum in Orch. Rev. 70: 326. 1962. *Aerides calceolare* Buch.-Ham. ex Sm. in Rees Cycl. 39: n. 11. 1818. *Saccolabium calceolare* (Buch.-Ham. ex Sm.) Lindl. (in Wall. Cat. 7302. 1832, *nom. nud.*) Gen. Sp. Orch. 223. 1833; Hook. f. Fl. Brit. India 6: 60. 1890. *S. nilagiricum* Hook. f. Fl. Brit. India 6: 60. 1890. *S. pulchellum* (Wt.) Fischer in Gamble, Fl. Madras 1446. 1928.
- Habenaria gibsonii** Hook. f. Fl. Brit. India 6: 135. 1890; Sant. & Kapadia in Journ. Bombay nat. Hist. Soc. 56: 194. 1959. *H. digitata* Lindl. var. *gibsonii* (Hook. f.) Fischer in Gamble, Fl. Madras 1469. 1928.
- H. gibsonii** Hook. f. var. *foliosa* (A. Rich.) Sant. & Kapadia in Journ. Bombay nat. Hist. Soc. 56: 194. 1959. *H. foliosa* A. Rich. in Ann. Sci. nat. ser. 2, 15: 71. 1841. *H. digitata* Lindl. var. *foliosa* (A. Rich.) Hook. f. Fl. Brit. India 6: 135. 1890; Fischer in Gamble, Fl. Madras 1469. 1928.
- H. grandifloriformis** Blatt. & McC. in Journ. Bombay nat. Hist. Soc. 36: 17. 1932; Sant. & Kapadia in Journ. Bombay nat. Hist. Soc. 56: 195. 1959. *H. grandiflora* Lindl. (in Wall. Cat. 7032. 1832, *nom. nud.*) ex Dalz. & Gibs. Bombay Fl. 267. 1861, non Torr. ex Beck (1823); Hook. f. Fl. Brit. India 6: 136. 1890; Fischer in Gamble, Fl. Madras 1469. 1928.
- H. hollandiana** Sant. Fl. Purandhar 126. 1958. *H. affinis* Wt. Icon. 5(1): 13, t. 1707. 1851, non D. Don (1925); Hook. f. Fl. Brit. India 6: 149. 1890; Fischer in Gamble, Fl. Madras 1471. 1928.
- H. longicorniculata** Grah. Cat. Bombay Pl. 202. 1839; Sant. & Kapadia in Journ. Bombay nat. Hist. Soc. 56: 198. 1959. *H. longicalcarata* A. Rich. in Ann. Sci. nat. ser. 2, 15: 71, t. 3 B. 1841; Hook. f. Fl. Brit. India 6: 141. 1890; Fischer in Gamble, Fl. Madras 1470. 1928.

Habenaria polyodon Hook. f. Fl. Brit. India 6: 139. 1890. *H. fimbriata* Wt. Icon. 5(1): 14, t. 1712. 1851, non R. Br. (1813); Fischer in Gamble, Fl. Madras 1470. 1928.

Habenaria polyodon is the new name proposed by Hooker for *H. fimbriata* Wt., which is a later homonym of *H. fimbriata* R. Br. But as Fischer has retained the illegitimate name *H. fimbriata* Wt. in Gamble's *Flora of the Presidency of Madras*, the workers in South India are likely to follow him since his work is the latest one to deal with the flora of South India. So the correct name is reinstated here.

H. virens (Lindl.) Abeywickr. in Ceylon Journ. Sci., Biol. Sci. 2: 151. 1959. *Ate virens* Lindl. Gen. Sp. Orch. 327. 1835. *Habenaria barbata* Wt. (in Wall. Cat. 7034. 1832, *nom. nud.*) ex Hook. f. Fl. Brit. India 6: 133. 1890; Fischer in Gamble, Fl. Madras 1468. 1928. *H. virens* (Lindl.) P. F. Hunt & Summerh. in Kew Bull. 20: 51. 1966.

Kingidium decumbens (Griff.) P. F. Hunt in Kew Bull. 24: 97. 1970. *Aerides decumbens* Griff. Notul. Pl. As. 3: 365. 1851; Hook. f. Fl. Brit. India 6: 48. 1890. *Doritis wightii* (Reichb. f.) Benth. ex Hook. f. Fl. Brit. India 6: 32. 1890. *Kingiella decumbens* (Griff.) Rolfe in Orch. Rev. 25: 197. 1917; Fischer in Gamble, Fl. Madras 1439. 1928.

The genus *Kingidium* was erected by Hunt in 1970 since the generic name *Kingiella* Rolfe (1917) is illegitimate, being a later homonym of *Kingella* Van Tiegh. (1895), an orthographic error for *Kingiella*.

Liparis caespitosa (Thou.) Lindl. in Bot. Reg. 11: sub. t. 882. 1825; Holttum, Rev. Fl. Malaya 1: 205. 1964. *Malaxis caespitosa* Thou. Orch. Iles. d'Afr. t. 90. 1822. *Liparis pusilla* Ridl. in Journ. Linn. Soc. 22: 294. 1886; Hook. f. Fl. Brit. India 5: 701. 1890; Fischer in Gamble, Fl. Madras 1411. 1928.

L. viridiflora (Bl.) Lindl. Gen. Sp. Orch. 31. 1830; Hook. f. Fl. Brit. India 5: 704. 1890; Fischer in Gamble, Fl. Madras 1411. 1928; Holttum, Rev. Fl. Malaya 1: 205. 1964. *Malaxis viridiflora* Bl. Bijdr. 392, t. 54. 1825. *Liparis longipes* Lindl. in Wall. Pl. As. Rar. 1: 31, t. 35. 1830; Hook. f. Fl. Brit. India 5: 703. 1890; Fischer in Gamble, Fl. Madras 1411. 1928.

Malaxis acuminata D. Don, Prodr. Fl. Nep. 29. 1825. *Microstylis wallichii* Lindl. (in Wall. Cat. 1938. 1829, *nom. nud.*) Gen. Sp. Orch. 20, 1830; Hook.

f. Fl. Brit. India 5: 686. 1888; Fischer in Gamble, Fl. Madras 1407. 1928. *Malaxis wallichii* (Lindl.) Deb in Bull. bot. Surv. India 3: 128. 1961.

M. densiflora (A. Rich.) O. Ktze. Rev. Gen. Pl. 2: 673. 1891; Sant. & Kapadia in Journ. Bombay nat. Hist. Soc. 58: 349. 1961. *Liparis densiflora* A. Rich. in Ann. Sci. nat. ser. 2, 15: 18, t. 1 B. 1841. *Microstylis versicolor* Wt. Icon. 3(2): 9, t. 901. 1844-1845, non Lindl. (1830); Hook. f. Fl. Brit. India 5: 691. 1890. *M. densiflora* (A. Rich.) Fischer in Gamble, Fl. Madras 1408. 1928.

M. stocksii (Hook. f.) O. Ktze. Rev. Gen. Pl. 2: 673. 1891. *Microstylis stocksii* Hook. f. Icon. Pl. t. 1833. 1889, et Fl. Brit. India 5: 691. 1890; Fischer in Gamble, Fl. Madras 1408. 1928.

M. versicolor (Lindl.) Abeywickr. in Ceylon Journ. Sci., Biol. Sci. 2: 147. 1959. *Microstylis versicolor* Lindl. Gen. Sp. Orch. 21. 1830, non Wight (1844-1845); Fischer in Gamble, Fl. Madras 1408. 1928. *M. rheedii* Wt. Icon. 3(2): 9, t. 902. 1844-1845; Hook. f. Fl. Brit. India 5: 690. 1890. *Malaxis versicolor* (Lindl.) Sant. & Kapadia in Journ. Bombay nat. Hist. Soc. 58: 347. 1961.

Malleola gracilis (Lindl.) Schltr. in Fedde, Repert. Beih. 1: 981. 1913, in obs. *Saccolabium gracile* Lindl. Gen. Sp. Orch. 225. 1833; Hook. f. Fl. Brit. India 6: 57. 1890; Fischer in Gamble, Fl. Madras 1446. 1928.

Nervilia crispata (Bl.) Schltr. in Bot. Jahrb. 45: 402. 1911; A. S. Rao in Bull. bot. Surv. India 5: 64. 1963. *Pogonia crispata* Bl. in Mus. Bot. Lugd. Bat. 1: 32. 1849. *Nervilia monantha* Blatt. & McC. in Journ. Bombay nat. Hist. Soc. 35: 724. 1932; Fischer in Gamble, Fl. Madras 1886. 1936.

N. discolor (Bl.) Schltr. in Bot. Jahrb. 45: 403. 1911; Sant. & Kapadia in Journ. Bombay nat. Hist. Soc. 58: 339. 1961. *Cordyla discolor* Bl. Bijdr. 417. 1825. *Pogonia biflora* Wt. Icon. 5(1): 22, t. 1758. 1851; Hook. f. Fl. Brit. India 6: 119. 1890. *Nervilia biflora* (Wt.) Schltr. in Bot. Jahrb. 45: 403. 1911; Fischer in Gamble, Fl. Madras 1459. 1928.

Oberonia santapau Kapadia in Journ. Bombay nat. Hist. Soc. 57: 265. 1960. *O. lindleyana* Wt. Icon. 5(1): 3, t. 1624. 1851, non Brongn. ex Duperr. (1834); Hook. f. Fl. Brit. India 5: 681. 1888; Fischer in Gamble, Fl. Madras 1407. 1928.

Panisea uniflora (Lindl.) Lindl. Fol. Orch. 2. 1853; Mitra, Fl. Pl. East. India 1: 308. 1958. *Coelogyne uniflora* Lindl. (in Wall. Cat. 1966. 1829, *nom.*

nud.) Gen. Sp. Orch. 42. 1830; Hook. f. Fl. Brit. India 5: 842. 1890; Fischer in Gamble, Fl. Madras 1430. 1928.

Peristylus densus (Lindl.) Sant. & Kapadia in Journ. Bombay nat. Hist. Soc. 57: 128. 1960. *Coeloglossum densum* Lindl. Gen. Sp. Orch. 302. 1835. *Habenaria stenostachya* (Lindl.) Benth. Fl. Hongk. 362. 1861; Hook. f. Fl. Brit. India 6: 156. 1890. *Peristylus stenostachyus* (Lindl.) Kranz. Orch. Gen. Sp. 1: 502. 1898; Fischer in Gamble, Fl. Madras 1474. 1928.

P. secundus (Lindl.) Rathak. in Indian For. 98: 31. 1972. *Coeloglossum secundum* Lindl. Gen. Sp. Orch. 303. 1835. *Habenaria robustior* (Wt.) Hook. f. Fl. Brit. India 6: 160. 1890. *Peristylus lancifolius* A. Rich. in Ann. Sci. nat. ser. 2, 15: 69, t. 2 C. 1841; Fischer in Gamble, Fl. Madras 1474. 1928.

Polystachya flavescens (Bl.) J. J. Sm. in Fl. Buitenz. 6: 284, f. 218. 1905; Sant. & Kapadia in Journ. Bombay nat. Hist. Soc. 59: 384. 1962. *Onychium flavescens* Bl. Bijdr. 325. 1825. *Polystachya wightii* Reichb. f. in Walp. Ann. 6: 640. 1861; Hook. f. Fl. Brit. India 6: 21. 1890; Fischer in Gamble, Fl. Madras 1437. 1928. *P. purpurea* Wt., Icon. 5(1): 10, t. 1679. 1851; Hook. f. Fl. Brit. India 6: 21. 1890; Fischer in Gamble, Fl. Madras 1437. 1928.

Pomatocalpa mannii (Reichb. f.) J. J. Sm. in Nat. Tijds. Ned. Ind. 72: 105. 1912. *Cleisostoma mannii* Reichb. f. in Flora 55: 274. 1872; Hook. f. Fl. Brit. India 6: 74. 1890; Fischer in Gamble, Fl. Madras 1448. 1928.

Schoenorchis filiformis (Wt.) Schltr. in Fedde, Repert. Beih. 1: 986. 1913. *Sarcanthus filiformis* Wt. Icon. 5(1): 10, t. 1684. 1851 (*excl. capsula*). *Saccolabium filiforme* (Wt.) Lindl. in Journ. Linn. Soc. 3: 36. 1858; Hook. f. Fl. Brit. India 6: 56. 1890; Fischer in Gamble, Fl. Madras 1446. 1928.

Sirhookera lanceolata (Wt.) O. Ktze. Rev. Gen. Pl. 681. 1891; Sant. & Kapadia in Journ. Bombay nat. Hist. Soc. 59: 157. 1962. *Josephia lanceolata* Wt. Icon. 5(1): 19, t. 1742. 1851; Hook. f. Fl. Brit. India 5: 823. 1890; Fischer in Gamble, Fl. Madras 1428. 1928.

The generic name *Sirhookera* was proposed by O. Kuntze (Rev. Gen. Pl. 681. 1891) to replace *Josephia* Wt. (1851), a later homonym of *Josephia* Salisb. & Kn. (1809).

S. latifolia (Wt.) O. Ktze. Rev. Gen. Pl. 681. 1891. *Josephia latifolia* Wt. Icon. 5(1): 19, t. 1743. 1851;

Hook. f. Fl. Brit. India 5: 823. 1890; Fischer in Gamble, Fl. Madras 1428. 1928.

Spiranthes sinensis (Pers.) Ames Orch. 2: 53. 1908; Fischer in Gamble, Fl. Madras 1454. 1928. *Neottia sinensis* Pers. Syn. 2. 511. 1807. *Spiranthes australis* (R. Br.) Lindl. in Bot. Reg. 10: sub. t. 823. 1824; Hook. f. Fl. Brit. India 6: 102. 1890. *S. lancea auct. non* Backer, Brink & v. Steenis in Blumea 6: 361. 1950; Holttum, Rev. Fl. Malaya 1: 141. 1964, *quoad descr. tantum, excl. synonym.*; Sant. & Kapadia in Journ. Bombay nat. Hist. Soc. 59: 154. 1962.

The new combination *Spiranthes lancea* proposed by Backer *et al.* based on *Ophrys lancea* Thunb. ex Sw. is erroneous since the plant under discussion belongs to a different tribe. Consequently *Spiranthes lancea* has been made nomenclatural synonym of *Herminium lanceum* by Vuijk (1961), followed by Backer & Brink (1968). Hence the valid name to be used for the South Indian species is *Spiranthes sinensis*.

Tainia bicornis (Lindl.) Reichb. f. in Bonpland. 5: 54. 1857. *Ania bicornis* Lindl. in Bot. Reg. misc. 37. 1842. *Tainia bicornis* (Lindl.) Benth. ex Hook. f. Fl. Brit. India 5: 820. 1890; Fischer in Gamble, Fl. Madras 1427. 1928.

The binomial *Tainia bicornis* is generally attributed to Bentham & Hook. f. (*Genera Plantarum* 3: 515. 1883); but this is not valid according to Art. 33-of the Code since in *Genera Plantarum* they did not make the actual combination.

Trichoglottis tenera (Lindl.) Schltr. in Bull. Herb. Boiss. ser. 2, 6: 471. 1906. *Oeceoclades tenera* Lindl. Gen. Sp. Orch. 236. 1833. *Cleisostoma tenerum* (Lindl.) Hook. f. Fl. Brit. India 6: 73. 1890; Fischer in Gamble, Fl. Madras 1448. 1928.

Vanda testacea (Lindl.) Reichb. f. in Gard. Chron. 2, 166. 1877; Sant. & Kapadia in Journ. Bombay nat. Hist. Soc. 59: 834. 1962. *Aerides testaceum* Lindl. Gen. Sp. Orch. 238. 1833. *Vanda parviflora* Lindl. in Bot. Reg. misc. 45. 1844; Hook. f. Fl. Brit. India 6: 50. 1890; Fischer in Gamble, Fl. Madras 1444. 1928.

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