

NOMENCLATURAL NOTES ON INDIAN FLOWERING PLANTS

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ABSTRACT

The nomenclature of some Indian flowering plants is brought up-to-date. Two new generic names and a few new combinations are proposed in this paper.

INTRODUCTION

During the course of studies on the nomenclature of some Indian flowering plants, a few discrepancies were noticed; though the majority of them were set right some time ago, the correct names have not so far been adopted by botanists working on the flora of India. Hence the information given below might be useful. The names are arranged family-wise.

AMARANTHACEAE

Indobanalia Henry & Roy, nom. nov. *Banalia* Moq. in DC. Prodr. 13(2): 278, 1849, non Rafin. Autikon Botanikon 50, 1840.

Typus: *Indobanalia thyrsiflora* (Moq.) Henry & Roy.

I. thyrsiflora (Moq.) Henry & Roy, comb. nov. *Banalia thyrsiflora* Moq. loc. cit.; Hk. f. Fl. Brit. India 4: 716, 1885.

The generic name *Banalia* Moq. (1849) is illegitimate being a later homonym of *Banalia* Rafin. (1840)—now included in *Croton* Linn. (Euphorbiaceae). *Indobanalia* is proposed as an avowed substitute for *Banalia* Moq.

BORAGINACEAE

Chionocharis hookeri (Clarke) Johnston in Contrib. Gray Herb. n.s. 73: 66, 1924. *Myosotis hookeri* Clarke in Hk. f. Fl. Brit. India 4: 174, 1883.

Chionocharis Johnston differs from *Myosotis* Linn. "by its spatulate calyx-lobes, imbricate corolla-lobes, and laterally (suprabasally) affixed lanceolate very pubescent nutlets".

COMPOSITAE

Reichardia tingitana (Linn.) Roth, Bot. Abh. 35, 1787. *Scorzonera tingitana* Linn. Sp. Pl. 791, 1753. *Picridium tingitanum* (Linn.) Desf. in Boiss. Fl. Orient. 3: 827, 1875; Hk. f. Fl. Brit. India 3: 413, 1881.

Reichardia Dennst. (1818) is included in *Tabernaemontana* Linn. (Apocynaceae). *Reichardia*

Roth (1800) and *Reichardia* Roth (1821) are replaced by *Maurandia* Ort. (Scrophulariaceae) and *Pterolobium* R. Br. (Caesalpiniaceae) respectively.

CONVOLVULACEAE

Dinetopsis grandiflora (Wall.) Roberty in Candollea 14: 27, 1952. *Porana grandiflora* Wall. in Roxb. Fl. Ind. 2: 41, 1824; Clarke in Hk. f. Fl. Brit. India 4: 221, 1883.

DIPSACACEAE

Pterocephalus hookeri (Clarke) Airy Shaw & Green in Hand-list Rock Gard. Pl. Roy. Bot. Gard. Kew. ed. 4, 109, 1934. *Scabiosa hookeri* Clarke in Hk. f. Fl. Brit. India 3: 218, 1881.

EHRETIACEAE

Cordia nevilii Alston in Trimen, Handb. Fl. Ceylon 6 (Suppl.): 199, 1931. *C. perrottetii* sensu Wt. Icon. t. 1381, 1848, non A. DC. 1845; Clarke in Hk. f. Fl. Brit. India 4: 138, 1883; Gamble, Fl. Pres. Madras 2: 624, 1957 (repr. ed.).

ERYTHROXYLACEAE

Erythroxylum moonii Hochr. in Bull. L'inst. Bot. Buitenzorg 22: 54, 1905. *E. acuminatum* (Arn.) Walp. Rep. 1: 407, 1842, non Ruiz & Pav. 1802; Schulz in Engler, Pflanzenr. 29: 145, 1907; Gamble, Fl. Pres. Madras 1: 91, 1957 (repr. ed.). *Sethia acuminata* Arn. in Nov. Act. Acad. Nat. Cur. 18(1): 324, 1836. *Erythroxylum lucidum* Moon [Cat. Pl. Ceylon 36, 1824, nom. nud.] ex Hk. f. Fl. Brit. India 1: 415, 1874, non HBK. 1821.

GRAMINEAE

Indoryza Henry & Roy, nom. nov. *Sclerophyllum* Griff. Notul. Pl. As. 3: 8, 1851, non Gaud. Fl. Helv. 5: 47, 1829.

Typus: *Indoryza coarctata* (Roxb.) Henry & Roy.

I. coarctata (Roxb.) Henry & Roy, comb. nov. *Oryza coarctata* Roxb. Fl. Ind. 2: 206, 1832. *Sclerophyllum coarctatum* (Roxb.) Griff. loc. cit.

The genus *Sclerophyllum* (Gramineae) was erected by W. Griffith in 1851*; it was sunk in *Oryza* Linn. by subsequent authors until recently Sharma and Shastry (Bull. bot. Surv. India 8: 42, 1966) resurrected *Sclerophyllum* as a distinct genus from *Oryza* Linn. The generic name *Sclerophyllum* Griff. (1851) is illegitimate being a later homonym of *Sclerophyllum* Gaud. (1829)—a genus now included in *Crepis* Linn. (Compositae). *Indoryza* is proposed as an avowed substitute for *Sclerophyllum* Griff.

LAURACEAE

Potameia paradoxa (Hk. f.) Kosterm. in J. Sci. Res. Indonesia 1: 144, 1952. *Syndiclis paradoxa* Hk. f. Icon. Pl. t. 1515, 1886 & Fl. Brit. India 5: 127, 1886.

MIMOSACEAE

Indopiptadenia oudhensis (Brandis) Brenan in Kew Bull. 1955: 179, 1955. *Piptadenia oudhensis* Brandis, For. Fl. N.-W. & Centr. India 168, 1874; Baker in Hk. f. Fl. Brit. India 2: 289, 1878; Duthie, Fl. Upper Gang. Pl. 1: 283, 1960 (repr. ed.).

According to Brenan *loc. cit.*, the genus *Piptadenia* Benth. in the restricted sense, occurs only in America and Australia. "*Indopiptadenia* differs, however, in the elongate seeds, the eglandular petiole, the glandular rachis, the unijugate leaves, and the corolla-lobes being free to their base".

PIPERACEAE

Pothomorphe subpeltata (Willd.) Miq. Comment. Phytogr. 37, 1840 & Syst. Piperacearum 213, 1843. *Piper subpeltatum* Willd. Sp. Pl. 1: 166, 1798; Hk. f. Fl. Brit. India 5: 95, 1886. *Heckeria subpeltata* (Willd.) Kunth in Linnaea 13: 571, 1839; Gamble, Fl. Pres. Madras 2: 846, 1957 (repr. ed.). *Heckeria* Kunth (1839) is a later homonym of *Heckeria* Rafin. (1838)—a genus now included in *Litsea* Lamk. (Lauraceae). *Heckeria* Kunth is replaced by *Pothomorphe* Miq. (1840).

PLUMBAGINACEAE

Dyerophytum indicum (Gibs. ex Wt.) O. Ktze. Rev. Gen. Pl. 394, 1891. *Vogelia indica* Gibs. ex Wt. Icon. 1075, 1846 & in Calc. J. Nat. Hist. 7: 17, 1847; Clarke in Hk. f. Fl. Brit. India 3: 481, 1882.

Vogelia Lamk. (1792) is a later homonym of *Vogelia* J. F. Gmel. (1791). *Vogelia* Lamk. is replaced by *Dyerophytum* O. Ktze. (1891).

RHIZOPHORACEAE

Cassipourea ceylanica (Gardn.) Alston in Kew Bull. 1925: 251, 1925. *Anstrutheria ceylanica* Gardn. in Calc. J. Nat. Hist. 6: 345, 1846. *Weihea ceylanica* (Gardn.) Baill. in Adansonia 3: 68, 1862; Henslow in Hk. f. Fl. Brit. India 2: 441, 1878; Gamble in Fl. Pres. Madras 1: 326, 1957 (repr. ed.).

Alston *loc. cit.* followed Tulasne [Ann. Sci. Nat. (Sér. 4) 6: 117, 1856] in uniting *Weihea* Spreng. (1825) with *Cassipourea* Aubl. (1775); the combined genus will bear the prior name *Cassipourea*, although *Weihea* is conserved and *Cassipourea* is not.

RUBIACEAE

Pleiocarpidia enneandra (Wt.) K. Schum. in Engl. & Prantl, Pflanzenfam. Nachtr. 1: 314, 1897. *Axanthes enneandra* Wt. in Calc. J. Nat. Hist. 7: 144, 1847. *Aulacodiscus premnoides* Hk. f. in Benth. & Hk. f. Gen. Pl. 2: 71, 1873 & Fl. Brit. India 3: 97, 1880.

Aulacodiscus Hk. f. (1873) is illegitimate being a later homonym of *Aulacodiscus* Ehrenb. (1844), a member of Diatomaceae. *Aulacodiscus* Hk. f. (Rubiaceae) is replaced by *Pleiocarpidia* K. Schum.

Pleio craterium verticillare (Wt. & Arn.) Bremek. in Meded. Bot. Mus. Herb. Rijks Univ. Utrecht 56: 440, 1939. *Hedyotis verticillaris* Wt. & Arn. Prodr. 409, 1834; Hk. f. Fl. Brit. India 3: 56, 1880. *Oldenlandia verticillaris* (Wt. & Arn.) O. Ktze. Rev. Gen. Pl. 1: 293, 1891; Gamble, Fl. Pres. Madras 2: 423, 1957 (repr. ed.).

Prismatomeris tetrandra (Roxb.) K. Schum. in Engl. & Prantl, Pflanzenfam. IV(4): 138, 1891. *Coffea tetrandra* Roxb. Fl. Ind. 2: 193, 1824. *Prismatomeris albidiflora* Thw. in Hook. Kew J. Bot. 8: 268, t. 7A, 1856 & Enum. 154, 1859; Hk. f. Fl. Brit. India 3: 159, 1880. Gamble, Fl. Pres. Madras 2: 460, 1957 (repr. ed.).

Psychotria nigra (Gaertn.) Alston in Trimen, Handb. Fl. Ceylon 6 (Suppl.): 152, 1931. *Grumilea nigra* Gaertn. Fruct. 1: 138, t. 28, fig. 2, 1788. *Psychotria thwaitesii* Hk. f. Fl. Brit. India 3: 162, 1880; Gamble, Fl. Pres. Madras 2: 451, 1957 (repr. ed.).

Saprosma foetens (Wt.) K. Schum. in Engl. & Prantl, Pflanzenfam. IV(4): 122, 1891. *Lasianthus foetens* Wt. in Calc. J. Nat. Hist. 6: 517, 1846. *Saprosma ceylanica* (Gardn.) Bedd. For. Man.

* The generic name *Sclerophyllum* is no doubt validly published; the unambiguous protologue given by Griffith (*loc. cit.* P. 8-10) establishes the fact that Griffith erected the genus *Sclerophyllum* to accommodate *Oryza coarctata* Roxb. which offers many characters that fall outside the limits of variation of genus *Oryza* Linn.

134/12, 1872; Hk. f. Fl. Brit. India 3: 193, 1881; Gamble, Fl. Pres. Madras 2: 458, 1957 (repr. ed.) *Dysodidendron ceylanicum* Gardn. in Calc. J. Nat. Hist. 7: 2, 1847.

SANTALACEAE

Dendrotrophe Miq. vs. **Henslowia** Bl.

The generic name *Henslowia* Bl. (1850) is illegitimate being a later homonym of *Henslowia* Wall. (1832). *Henslowia* Bl. is replaced by *Dendrotrophe* Miq. The Indian species are the following:

D. granulata (Hk. f. & Thoms. ex DC.) Henry & Roy, comb. nov. *Henslowia granulata* Hk. f. & Thoms. ex DC. Prodr. 14: 632, 1857; Hk. f. Fl. Brit. India 5: 232, 1886; Pilger in Engl. & Prantl, Pflanzenfam. (ed. 2) 16b: 72, 1935; Kanai in Hara, Fl. East. Himalaya 63, 1966.

D. heterantha (Wall. ex DC.) Henry & Roy, comb. nov. *Viscum heteranthum* Wall. ex DC. Prodr. 4: 297, 1830. *Henslowia heterantha* (Wall. ex DC.) DC. Prodr. 14: 632, 1857, excl. syn. *H. frutescens*; Hk. f. Fl. Brit. India 5: 233, 1886; Kanai in Hara, Fl. East. Himalaya 63, 1966.

SYMPLOCACEAE

Cordyloblaste Hensch. ex Moritzi

The genus *Cordyloblaste* differs from *Symplocos* Jacq. (*sensu stricto*) as follows:

Flowers usually in racemes; corolla tube short; stamens free	...	<i>Symplocos</i>
Flowers usually solitary, pendulous; corolla tube long; stamens connate into a tube	...	<i>Cordyloblaste</i>

The Indian species are the following:

C. pendula (Wt.) Alston in Timen, Handb. Fl. Ceylon 6 (Suppl.): 188, 1931. *Symplocos pendula* Wt. Icon. t. 1237, 1848; Clarke in Hk. f. Fl. Brit. India 3: 587, 1882; Gamble, Fl. Pres. Madras 2: 551, 1957 (repr. ed.).

C. sessilis (Clarke) Henry & Roy, comb. nov. *Symplocos sessilis* Clarke in Hk. f. Fl. Brit. India 3: 587, 1882; Gamble, Fl. Pres. Madras 2: 551, 1957 (repr. ed.).

URTICACEAE

Pilea melastomoides (Poir.) Wedd. in Ann. Sc. Nat. (Sér. 4) 1: 186, 1854; Alston in Trimen, Handb. Fl. Ceylon 6 (Suppl.): 269, 1931. *Urtica melastomoides* Poir. in Lamk. Encycl. Suppl. 4: 223, 1816. *Pilea trinervia* Wt. Icon. t. 1973, 1853; Hk. f. Fl. Brit. India 5: 557, 1888; Fischer in Gamble, Fl. Pres. Madras 3: 964, 1957 (repr. ed.).

VIOLACEAE

Hybanthus travancoricus (Bedd.) Melch. in Engl. & Prantl, Pflanzenfam. (ed. 2) 21: 360, 1925. *Ionidium travancoricum* Bedd. Icon. Pl. Ind. Orient. 1: 55, t. 230, 1874; Gamble, Fl. Pres. Madras 1: 35, 1957 (repr. ed.).