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SOME NEW NAMES AND NEW COMBINATIONS IN THE GENUS *MAYTENUS* MOLIN. (CELASTRACEAE)

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Lawson (Fl. Brit. India 1 : 607, 1875) separated the genus *Gymnosporia* Hook. f. from *Celastrus* Linn. by the presence of cymose flowers, a disc confluent with ovary and erect habit. Loesener (Pflanzenfam. ed. 2. 20b: 109, 134-146, 1942 distinguished armed species with inflorescences borne on short shoots as members of *Maytenus* Molin, and retained unarmed plants bearing inflorescences on long shoots under *Gymnosporia* Hook. f. In his monographic account of *Celastrus*, Ding Hou (Ann. Mo. Bot. Gdn. 42 : 216, 1955) treated the three genera *Celastrus*, *Gymnosporia* and *Maytenus* as distinct though very closely related. Exell (Bot. Soc. Brit. 26 : 222, 1952 ; Kew Bull. 1953) had however pointed out that segregation of *Gymnosporia* and *Maytenus* by Loesener was artificial and expressed that 'there is little point in keeping the two genera distinct'. This view has been generally accepted by many and adopted by taxonomists who treated this group in African Floras (Exell et Mendonca Consp. Fl. Angl. 2: 1-10, 1954; Hutchinson et Dalziel, Fl. W. Tr. Africa ed. 2, 1: 623-24, 1958 ; Wilcezek, Fl. Congo. Belg. 9 : 114-125, 1960; Morais in Bothalia 7 : 381-386, 1960). After a careful reconsideration of his earlier view, Ding Hou (Fl. Males. ser. I. 6: 239-40, 1962) came to the conclusion that the differences set between *Gymnosporia* and *Maytenus* by him previously (1955) could not be maintained as 'no character or combination of characters are constant enough to justify the retention of *Gymnosporia* Hook. f. Therefore, in the light of the reduction of *Gymnosporia* to the genus *Maytenus*, the following new names and new combinations are required in the genus *Maytenus* Molin.

Maytenus bailadillana (Narayan. & Mooney) Raju et Babu, comb. nov.

Basi. *Gymnosporia bailadillana* Narayanswami & Mooney in J. Ind. Bot. Soc. 20: 4, 1941 ; Mooney Suppl. Bot. Bih. & Orissa 41, 1951.

Distribution : INDIA: Madhya Pradesh & Orissa.

M. championii (Dunn.) Raju et Babu, comb. nov.

Basi. *Gymnosporia championii* Dunn. in Kew Bull. 308, 1921 ("*championi*").

Distribution : INDIA: Uttar Pradesh.

M. falconeri (Laws.) Rau, incd.

Basi. *Gymnosporia falconeri* Laws. in Fl. Brit. India 1 : 620, 1875 Loes. *loc. cit.* 150.

Distribution : INDIA: Uttar Pradesh.

M. heyneana (Roth) Raju et Babu, comb. nov.

Basi. *Celastrus heyneana* Roth in Roem. & Schult. Syst. 5: 423, 1819, pro parte ; Wt. & Arn. Prodr. 1 : 159, 1834. Syn. *Gymnosporia heyneana* (Roth) Laws. in Fl. Brit. India 1 : 620, 1875 ; Gamble, Fl. Pres. Madras 1 : 209, 1918 ; Loes. *loc. cit.* 151.

Distribution : INDIA: Kerala, Madras and Mysore.

M. listeri (Prain) Raju et Babu, comb. nov.

Basi. *Celastrus listeri* Prain in J. Asiat. So. Beng. 73 : 197, 1904.

Distribution : INDIA: Assam.

M. rufa (Wall. ex Roxb.) Raju et Babu, comb. nov.

Basi. *Celastrus rufa* Wall. in Roxb. Fl. Ind. ed. 2(2): 397, 1824 ; Brandis, For. Fl. 80, 1874 ; Kanjilal, For. Fl. 69, 1901. Syn. *Gymnosporia rufa* (Wall. ex Roxb.) Laws. in Fl. Brit. India 1: 271, 1875 ; Kanj. et al., Fl. Assam 1 : 271, 1937 ; Loes. in Pflanzenfam. ed. 2. 20b: 150, 1942.

Distribution : Bhutan, India and Sikkim. INDIA: Assam and Uttar Pradesh.

M. sikkimensis (Prain) Raju et Babu, comb. nov.

Basi. *Gymnosporia sikkimensis* Prain in J. Asiat. Soc. Beng. 73: 198, 1904.

Distribution : Sikkim.

M. simonsii Raju, nom. nov.

Basi. *Gymnosporia salicifolia* Laws. in Fl. Brit. India 1 : 619, 1875 (non *M. salicifolia* Reiss. 1861-79) ; Kanj. et al., Fl. Assam 2 : 272, 1932.

Distribution : INDIA: Assam.

Notes : The specific epithet '*salicifolia*' is preoccupied for an American plant under the genus *Maytenus* Molina. Since there is no other binomial for this plant, the author proposes a new name in honour of C. J. Simons, who collected this interesting plant.

M. royleana (Laws.) Rau, incd.

Basi. *Gymnosporia royleana* Laws. in Fl. Brit. India 1 : 620, 1875 ; Kitamura, Fl. Afghan 265, 1960.

Celastrus spinosus Royle (Ill. 167, 1835, *nom. nud.*) ex Boiss. Fl. Orient. 2 : 11, 1872 ; Brandis, For. Fl. 80, 1874 [non *Maytenus spinosa* (Griseb.) Lourteg. et Donell, 1955]. *C. royleanus* Wall. (Cat. no. 4317, 1831, *nom. nud.*) ex Kanj. For. Fl. 69, 1901.

Distribution : India and Afghanistan. INDIA: Uttar Pradesh.

Notes : The widely known binomial *C. royleana* Wall. is a nomen nudum and validated by Kanjilal (*loc. cit.*) only in 1901. Similarly *C. spinosus* Royle is also a nomen nudum but validated by Boissier in 1872, much earlier than *C. royleana* Wall. Thus *C. spinosus* Royle ex Boiss. has priority over *C. royleana* Wall. ex Kanj., but this can not be taken up here as the specific epithet *'spinosus'* is preoccupied for the S. American plant under the genus *Maytenus*. The next earliest validly published name is *Gymnosporia royleana* Laws. and therefore, the authors adopt Lawson's epithet as basionym for new combination.

Maytenus thomsonii (Kurz) Raju et Babu, comb. nov.

Basi. *Gymnosporia thomsonii* Kurz in J. Asiat. Soc. Beng. 45 : 204, 1875 (*'Thomsoni'*).

Distribution : India, Nepal, Sikkim & Bhutan. INDIA: Assam.

M. wallichiana (Wt. & Arn.) Raju et Babu, comb. nov.

Basi. *Celastrus wallichianus* Wt. et Arn. Prodr. 159, 1834 (Spreng Syst. 5: index 150, 1828, nomen., pro syn.). Syn. *C. rigidus* Wall. ex Roxb. Fl. Ind. ed. 2, 396, 1824 (non Thunb. 1818). *Gymnosporia wallichiana* (Spreng) Laws. in Fl. Brit. India 1: 621, 1875; Gamble, Fl. Pres. Madras 2: 209-210, 1918.

Distribution : India and Pakistan. INDIA: Kerala.

Notes : The binomial *Celastrus wallichianus* Wall. [in Roxb. Fl. Ind. ed. 2(2): 400, 1824] was cited in Index Kewensis and considered as conspecific with *Gymnosporia heyneana* Roth (=*Maytenus heyneana*). Ding Hou treated this plant as conspecific with *Gymnosporia wallichiana* (Spreng) Laws. The authors are of the opinion that entry in Index Kewensis is erroneous as the above binomial could not be traced in Flora Indica (Roxb. *loc cit.*). Therefore, the binomial *C. wallichianus* Wall. ex Roxb. is a nomen ambiguum and should be rejected. The next earlier name for this plant is that of Wight and Arnott (*loc. cit.*) and, therefore, the authors propose new combination with *C. wallichianus* Wt. & Arn. as basionym.

M. wightiana Babu, nom. nov.

Syn. *Celastrus rothianus* Wt. & Arn. Prodr. 159, 1834 (non Roem. & Schult. 1819). *C. serrulatus* Roth Nov. Pl. Sp. 155, 1821, pro parte (non R. Br. 1805-1810). *Gymnosporia rothiana* (Wt. & Arn.) Laws. in Fl. Brit. India 1: 619, 1875 ; Cooke, Fl. Pres. Bomb. 1: 232, 1902 ; Talb. For. Fl. 1: 278, f. 16, 1909 ; Sant. in Rec. Bot. Surv. India ed. 3, 41, 1967.

Distribution : INDIA: Maharashtra and Mysore.

Notes : The earliest name for this plant is *Celastrus serrulatus* Roth which is not only a later homonym of *C. serrulatus* R. Br. but also composed of more than one element. The next earlier name *C. rothianus* Wt. & Arn. is also illegitimate as being later homonym of *C. rothianus* Roem. & Schult. Therefore, a new name after R. Wight is proposed in the light of Art. 64 of International Code of Botanical Nomenclature (1966).

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