

ENUMERATION OF INDIAN FLOWERING PLANTS V*

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DILLENIACEAE

I. TETRACERA LINN.

Tetracera akara (Burm. f.) Merr.

in Philip. Journ. Sc. 19: 366. 1921; Hoogland in Fl. Males. 1(4): 146. 1951. *T. laevis* DC. Syst. 1: 401. 1818; Hk. f. & Thoms. Fl. Ind. 62. 1855; Hk. f. F.B.I. 1: 31. 1872; Gamble, Fl. Pr. Madras 1: 5, 1915 (non Vahl). *T. rheedii* DC. Prodr. 1: 68. 1824; Wight & Arn. Prodr. 5. 1834. *T. sericea* Bl. Bijdr. 1: 3. 1825. *Calophyllum akara* Burm. f. Fl. Ind. 121. 1768.

Distribution: S. India; Ceylon, Malaysia.

Tetracera asiatica (Lour.) Hoogland

in Fl. Males. 1(4): 146. 1954 et in Reinwardtia 2: 193. 1953. *T. sarmentosa* Roxb. Fl. Ind. 2: 645. 1832. *Seguieria asiatica* Lour. Fl. Coch. 341. 1790. *Delima sarmentosa* Burm. f. Fl. Ind. 122. 1768; DC. Syst. 1: 407. 1818 et Prodr. 1: 69. 1824 (non Linn.). *D. sarmentosa* var. *glabra* Hk. f. & Thoms. in Hk. f. F.B.I. 1: 31. 1872. *Leontoglossum scabrum* Hance in Walp. Ann. 3: 812. 1851.

Tetracera asiatica subsp. *andamanica* Hoogland

in Reinwardtia 2: 195. 1953.

Distribution: Darjeeling Dt., Bengal, Assam, Andaman Islands; Ceylon, Burma and S. E. Asia.

Tetracera indica (Houtt. ex Christm. & Pranz.) Merr.

Int. Rumph. Herb. Amb. 367. 1917; Hoogland in Fl. Males. 1(4): 146. 1951, et in Reinwardtia 2: 205. 1953. *T. laevis* Vahl, Symb. Bot. 3: 71. 1794 (non Hk. f. & Thoms.). *T. asa* DC. Syst. 1: 403. 1818 et Prodr. 1: 68. 1824; Hk. f. & Thoms. Fl. Ind. 63. 1855; Hk. f. F.B.I. 1: 31. 1872. *T. trigyna* Roxb. Fl. Ind. 2: 645. 1832.

Distribution: Assam, Chittagong; Burma, China, Siam, Malaysia.

Tetracera scandens (L.) Merr.

Int. Rumph. Herb. Amb. 365. 1917; Hoogland in Fl. Males. 1(4): 143. 1951 et in Reinwardtia 2: 190. 1953. *I. sarmentosa* Vahl, Symb. Bot. 3: 70. 1794; Roxb. Fl. Ind. 2: 645. 1832. *Delima sarmentosa* Linn. Syst. (Ed. 10) 1076. 1759. *D. sarmentosa* var. *hebecarpa* Hk. f. & Thoms. Fl. Ind. 61. 1855; Hk. f. F.B.I. 1: 31. 1872. *D. hebecarpa* DC. Syst. 1: 407. 1818, et Prodr. 1: 70. 1824.

* Continued from Bull. bot. Surv. India 3(1): 99-101. 1961.

Distribution: Andaman Islands; Burma and S. E. Asia.

II. ACROTREMA JACK

Acrotrema arnottianum Wight

Ill. Ind. Bot. 1: 9. t. 3. 1841; Hk. f. & Thoms. Fl. Ind. 64. 1855; Hk. f. F.B.I. 1: 32. 1872; Gamble, Fl. Pr. Madras 5. 1915.

Distribution: S. W. India.

III. DILLENIA LINN.

Dillenia andamanica Parkinson

in Indian For. 61: 452. 1935; Hoogland in Blumea 7: 127. 1952. *D. pilosa* Kurz in Journ. As. Soc. Beng. II, 41: 291. 1872, 43: 46. 1874 et 45: 115. 1876, et For. Fl. Br. Burm. 1: 20. 1877 (non Roxb. ex Buch.-Ham.); Parkinson, For. Fl. Andaman Isls. 71. 1923. *D. nicobarica* Kurz ex Parkinson in Indian For. 61: 449. 1935, nom. nud.

Distribution: Andaman and Nicobar Islands.

Dillenia aurea Sm.

Exot. Bot. 2: 65. t. 92 & t. 93. 1806; DC. Syst. 1: 436. 1818, et Prodr. 1: 76. 1824; Hk. f. & Thoms. Fl. Ind. 70. 1855 p.p. Hk. f. F.B.I. 1: 37. 1872; Parkinson in Indian For. 61: 450. 1935; Hoogland in Blumea 7: 127. 1952. *D. pulcherrima* Kurz in Journ. As. Soc. Beng. II, 40: 46. 1871, et 43: 46. 1874, et For. Fl. Br. Burm. 1: 79. 1877; Brandis, Ind. Trees 4. 1906. *D. indica* var. *aurea* (Sm.) O. Kuntze, Rev. Gen. Pl. 1: 4. 1891.

Distribution: Madhya Pradesh and Uttar Pradesh to W. Bengal; Burma.

Dillenia bracteata Wight

Ic. Pl. Ind. Or. 2. t. 358. 1840; Hk. f. F.B.I. 1: 37. 1872; Brandis, Ind. Trees 3. 1906; Hoogland in Blumea 7: 84. 1952. *Wormia bracteata* Hk. f. & Thoms. Fl. Ind. 68. 1855.

Distribution: S. India.

Dillenia indica Linn.

Sp. Pl. 221. 1753; Burm. f. Fl. Ind. 124. 1768; Hk. f. F.B.I. 1: 36. 1872; Kurz, For. Fl. Br. Burm. 1: 19. 1877; Brandis, Ind. Trees 3. 1904; Hoogland in Fl. Males. 1(4): 171. 1951 et in Blumea 7: 108. 1952. *D. speciosa* Thunb. in Trans. Linn. Soc. 1: 200. 1791; Roxb. Fl.

Ind. 2: 650. 1932; Wight & Arn. Prodr. 5. 1834; Hk. f. & Thoms. Fl. Ind. 69. 1855. *D. elongata* Miq. Fl. Ind. Bat. 1: 12. 1859. *D. indica* f. *elongata* Miq. Ann. Mus. Bot. Lugd. Bat. 4: 79. 1868. *Delima* Griff. Notul. 4: 105. 1854.

Distribution: Terai region of the Subtropical Himalayas, Assam, Central and South India; Burma, Ceylon and S. E. Asia.

Dillenia mansoni (Gage) Hoogland
in Blumea 7: 83. 1952. *Wormia mansoni* Gage in Journ. As. Soc. Beng. n. s. 2: 73. 1906.

Distribution: Assam, Burma.

Dillenia pentagyna Roxb.

Pl. Corm. 1: 21, t. 20. 1795, et Fl. Ind. 2: 652. 1832. Buch.-Ham. in Trans. Linn. Soc. 15: 100. 1826; Wight & Arn. Prodr. 5. 1834; Hk. f. & Thoms. Fl. Ind. 71. 1855; Hk. f. F.B.I. 1: 38. 1872; Kurz, For. Fl. Br. Burm. 1: 21. 1877; Brandis, Ind. Trees 4. 1906; Parkinson, For. Fl. Andaman Isls. 72. 1923; Hoogland in Fl. Males. 1(4): 172. 1951 et in Blumea 7: 117. 1952. *D. augusta* Roxb. Hort. Beng. 43. 1814 et Fl. Ind. 2: 652. 1832. *D. floribunda* Hk. f. & Thoms. Fl. Ind. 71. 1855; Hk. f. F.B.I. 1: 38. 1872. *D. baillonii* Pierre ex Laness Pl. Util. Col. Fr. 281, 702. 1886. *D. minor* Gilg in Eng. & Prantl, Nat. Pflanzenfam. 3(6): 125. 1893. *D. augusta* Roxb. ex Hk. f. & Jackson Ind. Kew. 1: 759. 1895. *D. hainanensis* Merr. in Ling. Sc. Journ. 13: 64. 1934. *D. pentagyna* var. *augusta* Kurz in Journ. As. Soc. Beng. II, 43: 46. 1874. *D. pentagyna* var. *flavida*, var. *indica* et var. *albida* Pierre, Fl. For. Cochinch. 1: 6-8. 1879. *Colbertia coromandiliana* DC. Syst. 1: 435. 1818, et Prodr. 1: 75. 1824. *C. augusta* Wall. ex G. Don, Gen. Hist. 1: 77. 1831. *C. floribunda* Wall. Cat. no. 9509 nom. nud. *C. minor* Zoll. & Mor. in Nat. & Geneesk. Arch. Neerl. Ind. 2: 579. 1845. *Wormia augusta* et *floribunda* Steud. Nomencl. (ed. 2) 2: 789. 1821. *W. coromandelina* Spreng. Syst. 2: 631. 1825.

Distribution: Himalayan Terai from Punjab to Assam, Sikkim, Central and South India, Andaman Isls.; Ceylon, Burma, S. E. Asia.

Dillenia retusa Thunb.

in Trans. Linn. Soc. 1: 200. t. 19. 1791; DC. Syst. 1: 437. 1818, et Prodr. 1: 76. 1824; Wight & Arn. Prodr. 6. 1834; Hk. f. F.B.I. 1: 37. 1872; Gamble, Fl. Pr. Madras 7. 1915; Hoogland in Blumea 7: 100. 1952. *D. integra* Thunb. in Trans. Linn. Soc. 1: 199, t. 18. 1791. *Wormia integra* Hk. f. & Thoms. Fl. Ind. 68. 1855. *W. retusa* Hk. f. & Thoms. Fl. Ind. 68. 1855.

Distribution: S. India; Ceylon.

Dillenia scabrella (Don.) Roxb. ex Wall.

Pl. As. Rar. 1: 20. t. 22. 1830, et Fl. Ind. 2: 653. 1832; Hk. f. Thoms. Fl. Ind. 70. 1855; Hk. f. F.B.I. 1: 38. 1872; Kurz, For. Fl. Br. Burm. 1: 21. 1877; Brandis, Ind. Trees 4: 1906. *D. pilosa* Roxb. Hort. Beng. 43. 1814, nom. nud. et Fl. Ind. 2: 652. 1832; Buch.-Ham. in Trans. Linn. Soc. 15: 102. 1827. *D.*

elata Pierre, Fl. For. Cochinch. 1: t. 9. 1879. *Colbertia scabrella* D. Don, Prodr. 266. 1825. *Wormia scabrella* Spreng. Syst. 4: 213. 1827.

Distribution: Assam, Burma, Chittagong, Indo-China.

MAGNOLIACEAE

(by D. C. S. Raju)

I. MANGLIETIA BLUME

Manglietia caveana Hook. f. & Thoms.

Fl. Ind. 76. 1855; Hook. f. F.B.I. 1: 42. 1872; King in Ann. R. Bot. Gdn. Cal. 3: 211. 1891; Finet & Gagnep. in Bull. Soc. Bot. Fr. 53: 34. 1906; Kanj. et al. Fl. Assam 1: 16. 1934.

Distribution: Assam, Khasia, Naga and Mikir Hills.

Manglietia insignis (Wall.) Blume

Fl. Jav. Magnol. 23. 1828; Hk. f. & Thoms. Fl. Ind. 76. 1855; Hook. f. F.B.I. 1: 42. 1872; King in Ann. R. Bot. Gdn. Cal. 3: 211. 1891; Finet & Gagnep. in Bull. Soc. Bot. Fr. 53: 34. 1906; Kanj. et al. Fl. Assam 1: 16. 1934. *Magnolia insignis* Wall. Tent. Fl. Nep. t. 1. 1824, et Pl. As. Rar. 2. t. 182. 1832; *Manglietia insignis* var. *latifolia* Hook. f. & Thoms. F.B.I. 1: 42. 1872.

Distribution: Eastern Himalaya, Nepal and Assam.

Manglietia hookeri Cubitt & Smith

in Rec. Bot. Surv. Ind. 4: 273. 1913; Kanj. et al. Fl. Assam 1: 16. 1934.

Distribution: Assam and Burma.

II. MAGNOLIA LINN.

Magnolia campbellii Hook. f. & Thoms.

Fl. Ind. 77. 1855; Hook. f. F.B.I. 1: 41. 1872; Gamble, Ind. Timb. 5: 1881; King in Ann. R. Bot. Gdn. Cal. 3: 208. 1891; Finet & Gagnep. in Bull. Soc. Bot. Fr. 53: 37. 1906; Cowan & Cowan, Trees N. Bengal 9. 1929; Kihara, Faun. & Fl. Nep. Himal. 133. 1955.

Distribution: E. Himalaya, Assam, Manipur, Bhotan and Sikkim.

Magnolia globosa Hook. f. & Thoms.

Fl. Ind. 77. 1855; Hk. f. F.B.I. 1: 41. 1872; King in Ann. R. Bot. Gdn. Cal. 3: 208. 1891; Finet & Gagnep. in Bull. Soc. Bot. Fr. 53: 39. 1906, Cowan and Cowan, Tr. N. Beng. 9: 1929.

Distribution: Sikkim—Himalaya.

Magnolia grandiflora Linn.

Sp. Pl. 755. 1762; Benthall, Tr. Calcutta 3: 1946.

Distribution: N. America; Cultivated in India.

Magnolia griffithii Hook. f. & Thoms.

in F.B.I. 1: 41. 1872; King in Ann. R. Bot. Gdn. Cal. 3: 209. 1891; Kanj. et al. Fl. Assam 1: 14. 1934.

Distribution: Assam and Naga Hills.

Magnolia gustavi King

in Ann. R. Bot. Gdn. Cal. 3: 209. 1891; Finet & Gagnep. in Bull. Soc. Bot. Fr. 3: 36. 1906; Kanj. et al. Fl. Assam 1: 15. 1934.

Distribution: Assam.

Magnolia pealiana King

in Ann. R. Bot. Gdn. Cal. 3: 210. 1891; Kanj. et al. Fl. Assam 1: 23. 1934.

Distribution: Assam.

Magnolia pterocarpa Roxb.

Pl. Cor. 3: 62. t. 266. 1820; King in Ann. R. Bot. Gdn. Cal. 3: 207. 1891; Prain, Beng. Pl. 1: 197. 1903; Finet & Gagnep. in Bull. Soc. Bot. Fr. 53: 36. 1906; Cowan & Cowan, Tr. N. Beng. 8. 1929; Kanj. et al. Fl. Assam 1: 13. 1936; Benthall, Tr. Calcutta 4. 1946. *Magnolia sphenocarpa* Roxb. Fl. Ind. 2: 65. 1832; Hk. f. & Thoms. Fl. Ind. 1: 78. 1855; Hk. f. F.B.I. 1: 41. 1872; Kanj. et al. Fl. Assam 1: 14. 1934. *Liriodendron grandiflorum* Roxb. Fl. Ind. 2: 652. 1832. *Michelia macrophylla* Don, Prodr. Fl. Nep. 226. 1825. *Talauma roxburghii* Don, Gen. Syst. 1: 85. 1835.

Distribution: E. Himalaya, Nepal, Assam and E. Pakistan.

III. TALAUMA JUSS.

Talauma andamanica King

in J. As. Soc. Beng. II, 58: 372. 1890, et in Ann. R. Bot. Gdn. Cal. 3: 203. 1891; Finet & Gagnep. in Bull. Soc. Bot. Fr. 53: 32. 1906; Parkinson, For. Fl. Andaman Isls. 73. 1923.

Distribution: Andamans.

Talauma hodgsoni Hook. f. & Thoms.

Fl. Ind. 1: 75. 1855; Hk. f. F.B.I. 1: 40. 1872; King in Ann. R. Bot. Gdn. Cal. 3: 204. 1891; Finet & Gagnep. in Bull. Soc. Bot. Fr. 53: 32. 1906; Cowan & Cowan, Tr. N. Bengal 10. 1929; Kanj. et al. Fl. Assam 1: 17. 1934.

Distribution: E. Himalayas and Sikkim; Assam—Khasia, Naga Hills and Burma.

Talauma phellocarpa King

in Ann. R. Bot. Gdn. Cal. 3: 205. 1891; Kanj. et al. Fl. Assam 1: 18. 1934; *Michelia phellocarpa* Finet & Gagnep. in Bull. Soc. Bot. Fr. 53: 42. 1906.

Distribution: Assam.

Talauma rabaniana Hook. f. & Thoms.

Fl. Ind. 1: 75. 1855; Hk. f. F.B.I. 1: 40. 1872; King in Ann. R. Bot. Gdn. Cal. 3: 204. 1891; Finet & Gagnep. in Bull. Soc. Bot. Fr. 53: 32. 1906; Kanj.

et al. Fl. Assam 1: 18. 1934. *Liriodendron liliifera* Roxb. Fl. Ind. 2: 654. 1832 (non Linn.).

Distribution: Assam—Khasia.

IV. PACHYLARNAX DANDY

Pachylarnax pleiocarpa Dandy

in Journ. Bot. 71: 313. 1933; Kanj. et al. Fl. Assam 1: 19. 1934.

Distribution: Assam and Naga Hills.

V. ALCIMANDRA DANDY

Alcimandra cathcartii (Hook. f. & Thoms.) Dandy

in Kew Bull. 360. 1927. *Michelia cathcartii* Hook. f. & Thoms. Fl. Ind. 79. 1855; Hk. f. F.B.I. 1: 42. 1872; King in Ann. R. Bot. Gdn. Cal. 3: 214. 1891; Finet & Gagnep. in Bull. Soc. Bot. Fr. 53: 42. 1906; Cowan et Cowan, Tr. N. Beng. 9. 1929; Kanj. et al. Fl. Assam 1: 21. 1934.

Distribution: E. Himalayas, Assam and Naga Hills.

VI. MICHELIA LINN.

Michelia champaca Linn.

Sp. Pl. 1: 536. 1753; DC. Prodr. 1: 79. 1824; Roxb. Fl. Ind. 2: 656. 1832; Blume, Bijdr. 1: 7. 1825; Fl. Jav. t. 1. 1828; Hk. f. & Thoms. Fl. Ind. 79. 1855; Miq. Fl. Ind.-Bat. 1: 16. 1859; Hook. f. F.B.I. 1: 42. 1872; Brandis, For. Fl. 3. 1874; King in Jour. As. Soc. Beng. 58: 371. 1890, et Ann. R. Bot. Gdn. Cal. 3: 216. 1891; Cooke, Fl. Pres. Bombay 1: 8. 1901; Prain, Bengal Pl. 1: 197. 1903; Finet & Gagnep. in Bull. Soc. Bot. Fr. 53: 45. 1906; Gamble, Fl. Pres. Madras 6. 1915; Haines, Fl. Bih. Or. 2: 8. 1921; Cowan & Cowan, Tr. N. Bengal 10. 1929; Kanj. et al. Fl. Assam 1: 22. 1934; Benthall, Tr. Calcutta 5. 1946; Kihara, Faun. & Fl. Nep. Himal. 133. 1955. *Michelia rufinervis* DC. Prodr. 1: 79. 1824; Blume, Bijdr. 1: 7. 1825; *M. aurantiaca* Wall. Pl. As. Rar. 2: 39. 1829-32. *M. rheedii* Wight, Ill. 1: 14. 1840. *M. pubinervis* Blume, Fl. Jav. 14. 1828.

Distribution: India—subtemperate forests.

Michelia doltsopa Buch.-Ham. ex DC.

Syst. 1: 448. 1818, et Prodr. 1: 79. 1824; Dandy in Journ. Bot. 65: 277. 1927. *Magnolia excelsa* Wall. Tent. Fl. Nep. 5, t. 2. 1824; Cat. 6494. *Michelia excelsa* Wall. ex Bl. Fl. Jav. 9. 1828; Hk. f. & Thoms. Fl. Ind. 1: 80. 1855; Hook. f. F.B.I. 1: 43. 1872; Griff. Ic. 4: 655. 1849; King in Ann. R. Bot. Gdn. Cal. 3: 215. 1891; Finet & Gagnep. in Bull. Soc. Bot. Fr. 53: 46. 1906; Cowan & Cowan, Tr. N. Bengal 9. 1929. *Michelia manipurensis* Watt ex Brandis, Ind. Tr. 8. 1906. *M. calcuttensis* Parment. in Bull. Soc. Fr. & Belg. 27: 214. 1816.

Distribution: Temp. Himalaya, Manipur, Assam and Burma.

***Michelia kingii* Dandy**

in Jour. Bot. 66: 321. 1928.

Distribution: W. Bengal, Assam and Sikkim.***Michelia kisopa* Buch.-Ham. ex DC.**

Syst. 1: 448. 1818, et Prodr. 1: 79. 1824; Wall. Tent. Fl. Nep. t. 4. 1824; Don. Prodr. Fl. Nep. 226. 1825. Wight, Ill. 1: 13. 1840; Hk. f. & Thoms. Fl. Ind. 1: 81. 1855; Hk. f. F.B.I. 1: 43. 1872; King in Ann. R. Bot. Gdn. Cal. 3: 217. 1891; Finet & Gagnep. in Bull. Soc. Bot. Fr. 53: 46. 1906; Dandy in Jour. Bot. 65: 277. 1927; Kanj. et al. Fl. Assam 1: 23. 1934; Kihara, Faun. & Fl. Nep. 133. 1955.

Distribution: Temp. Himalaya—Kumaon to Sikkim and Nepal.***Michelia lanuginosa* Wall.**

Tent. Fl. Nep. 8. 1824, et Cat. 6493; Wt. Ill. 1: 14. 1840; Hk. f. & Thoms. Fl. Ind. 80. 1855; Hk. f. F.B.I. 1: 43. 1872; King in Ann. R. Bot. Gdn. Cal. 3: 215. 1891; Finet & Gagnep. in Bull. Soc. Bot. Fr. 53: 24. 1906; Kanj. et al. Fl. Assam 1: 22. 1934. *Michelia velutina* DC. Prodr. 1: 79. 1824.

Distribution: Assam, Naga Hills, Sikkim and Nepal.***Michelia mannii* King**

in Ann. R. Bot. Gdn. Cal. 3: 218. 1891; Finet & Gagnep. in Bull. Soc. Bot. Fr. 53: 461; Kanj. et al. Fl. Assam 1: 25. 1934.

Distribution: Assam and Sylhet.***Michelia nilagirica* Zenk.**

Pl. Ind. 21, t. 20. 1835; Wight, Ill. 1: 14. 1840; Hk. f. & Thoms. Fl. Ind. 82. 1855; Hook. f. F.B.I. 1: 44. 1872; Bedd. Fl. Sylv. t. 62. 1869; Thwaites, Enum. 5. 1858; King in Ann. R. Bot. Gdn. Cal. 3: 216. 1891; Finet & Gagnep. in Bull. Soc. Bot. Fr. 53: 45. 1906; Gamble, Fl. Pres. Madras 7: 1915. *Michelia pulneyensis* Wight, Ill. 1: 14. 1840.

Distribution: India: Western peninsula and Ceylon.***Michelia oblonga* Wall. ex Hook. f. & Thoms.**

Fl. Ind. 81. 1855; Hook. f. F.B.I. 1: 13. 1872; King in Ann. R. Bot. Gdn. Cal. 3: 218. 1891; Finet & Gagnep. in Bull. Soc. Bot. Fr. 53: 46. 1906; Kanj. et al. Fl. Assam 1: 24. 1934.

Distribution: Assam—Khasia and E. Pakistan.***Michelia punduana* Hook. f. & Thoms.**

Fl. Ind. 1: 81. 1855; Hk. f. F.B.I. 1: 43. 1872; King in Ann. R. Bot. Gdn. Cal. 3: 217. 1891; Finet & Gagnep. in Bull. Soc. Bot. Fr. 53: 46. 1906; Cowan & Cowan Tr. N. Bengal 10. 1929; Kanj. et al. Fl. Assam 1: 23. 1934. *Magnolia punduana* Wall. Cat. 973 nom. nud.

Distribution: Assam—Khasia, N. E. F. Agency and E. Pakistan.***Michelia wardii* Dandy**

in Journ. Bot. 65: 222. 1929; Kanj. et al. Fl. Assam 1: 26. 1934.

Distribution: Assam and Tibet.

ILLICACEAE

(by D. C. S. Raju)

ILLICIUM LINN.

***Illicium griffithii* Hook. f. & Thoms.**

Fl. Ind. 1: 74. 1855; Drury, Handbook Ind. Fl. 1: 15. 1864; Baill. Hist. Pl. 1: 154. 1868-9; Hk. f. & Thoms. F.B.I. 1: 40. 1872; Thistleton—Dyer in Journ. Linn. Soc. Bot. 13: 331. 1873; Maxim. in Bull. Acad. Sc. St. Petersburg. 32: 480. 1888; King in Ann. R. Bot. Gdn. Cal. 3: 201. 1891; Brandis, Ind. Trees 9. 1906; Finet & Gagnep. in Bull. Soc. Bot. Fr. 53: 30. 1906; Kanj. et al. Fl. Assam 1: 27. 1934; Smith in Sargentia 7: 53. 1947.

Distribution: Assam—Khasia and Bhutan.***Illicium manipurens* Watt ex King**

in Ann. R. Bot. Gdn. Cal. 3: 200. 1891; Finet & Gagnep. in Bull. Soc. Bot. Fr. 53: 29. 1906; Smith in Sargentia 7: 27. 1927.

Distribution: Manipur and Burma.***Illicium simonsii* Maxim.**

in Bull. Acad. Sc. St. Petersburg. 32: 480. 1888; King in Ann. R. Bot. Gdn. Cal. 3: 201. 1891; Smith in Sargentia 7: 22. 1947. *I. fargesii* Finet & Gagnep. in Bull. Soc. Bot. Fr. 52: 29. 1905.

Distribution: Naga Hills—Assam, Manipur, Burma and China.

SCHISANDRACEAE

(by D. C. S. Raju)

I. SCHISANDRA MICHX. (=Schizandra)

***Schisandra grandiflora* (Wall.) Hook. f. & Thoms.**

in F.B.I. 1: 44. 1872; Brandis For. Fl. N.-W. & Centr. India. 571. 1874; King in Ann. R. Bot. Gdn. Cal. 3: 219. 1891; Kanj. For. Fl. School. Circle N.-W. P. 15. 1901; Collett Fl. Siml. 17. 1902; Schneid. in Ill. Handb. Laubholz. 1: 341. 1905; Brandis, Ind. Trees 9. 1906; Finet & Gagnep. in Bull. Soc. Bot. Fr. 53: 48. 1906; Kanj. For. Fl. Siwalik and Jaunsar Divn. 34. 1911; Schneid. in Bot. Gaz. 63: 522. 1917; Parker, For. Fl. Punjab 5. 1924, Leray in Rev. Hort. 97: 449. 1925; Osmaston, For. Fl. Kumaon 8. 1927; Cowan & Cowan, Tr. N. Bengal 10. 1929; Smith in Sargentia 7: 100. 1947; *Kadsura grandiflora* Wall. Tent. Fl. Nepal 10. t. 14. 1824; Walp. Rep. Bot. Syst. 2: 15. 1845. *Kadsura grandiflora* Wall. ex Spreng. in Syst. Veg. 4(2): 345. 1827; *Sphaerostema grandiflorum* Bl. Fl. Jav. 17. 1830. Hk. f. & Thoms. Fl. Ind. 1: 84. 1855.

Distribution: Himalaya, Bhutan to Simla.

Schisandra propinqua (Wall.) Baill. ex Smith
in Sargentia 7: 149. 1947. *Kadsura propinqua* Wall.
Tent. Fl. Nep. 11. t 15. 1824. *Sphaerostema propinquum*
Bl. in Fl. Jav. 15. 1830; Wall. Cat. 4986. 1832 nom. nud.;
Hook. f. & Thoms. Fl. Ind. 85. 1855; Walp. in Ann.
Bot. 4: 79. 1857. *Schizandra propinqua* Baill. in Hist.
Pl. 1: 148. 1868-69; Hook. f. & Thoms. in F.B.I. 1: 45.
1872; King in Ann. R. Bot. Gdn. Cal. 3: 220. 1891;
Parment. in Bull. Sc. Fr. & Belg. 27: 236. 1896, Kanj.
For. Fl. School Circle N.-W. P. 15. 1901; Brandis Ind.
Trees 9. 1906. Kanj. For. Fl. Siwalik and Jaunsar Div.
34. 1911; Osmaston, For. Fl. Kumaon 9. 1927. Schneid.
Ill. Handb. Laubholz 1: 341. 1905; Finet & Gagnep.
in Bull. Soc. Bot. Fr. 53: 51. 1906; Cowan & Cowan
Tr. N. Bengal 10. 1929.

Distribution: Temp. Himalaya, Sikkim and Nepal.

Schisandra propinqua (Wall.) Baill. var. *intermedia*
Smith

in Sargentia 7: 152. 1947. *Sphaerostema axillare*
Hook. f. & Thoms. Fl. Ind. 86. 1855; Drury, Hand-
book Ind. Fl. 1: 649. 1864; Walp. in Ann. Bot. 4:
79. 1857 (non Bl.). *Schizandra axillaris* Hook. f. &
Thoms. in Hk. F.B.I. 1: 45. 1872; King, in Ann. R.
Bot. Gdn. Cal. 3: 220. 1891; Brandis, Ind. Trees 9.
1906; Finet & Gagnep. Bull. Soc. Bot. Fr. 53: 50. 1906;
Kanj. et al. Fl. Assam 1: 28. 1934 (non. Hk. f. &
Thoms.).

Distribution: Assam—Khasia and Burma.

Schisandra neglecta Smith

in Sargentia 7: 127. 1947. *Sphaerostema elongatum*
Hook. f. & Thoms. in Fl. Ind. 85. 1855 (non Bl.);
Drury, Hand-book Ind. Fl. 1: 648. 1864. *Schizandra*
elongata Hook. f. & Thoms. in Hk. f. F.B.I. 1: 44.
1872; King in Ann. R. Bot. Gdn. Cal. 3: 220. 1891;
Brandis, Ind. Trees 9. 1906; Cowan & Cowan Tr. N.
Bengal 10. 1929; Kanj. et al. Fl. Assam 1: 27. 1934;
Kihara, Faun. & Fl. Nep. Himal. 133. 1955. *Schisandra*
elongata Schneid. in Ill. Handb. Laubholz. 1: 341.
1905; Wilson, in Journ. Arn. Arb. 7: 238. 1926.
Schisandra Sp. Merr. in Brittonia 4: 52. 1941.

Distribution. E. Himalaya, China and Burma.

Schisandra plena Smith

in Sargentia 7: 154. 1937. *Schisandra propinqua*
Rehder & Wilson in Sargent. Pl. Wils. 1: 416. 1913
(non Bail.).

Distribution: Assam (Delei valley) and China.

Schisandra rubriflora Rehder & Wilson

in Sargent. Pl. Wils. 1: 412. 1913; Smith, in Sargentia
7: 102. 1947. *Schizandra grandiflora* Franchet in Bull.
Soc. Bot. Fr. 33: 385. 1886 (non Hook. f. & Thoms.).

Schizandra chinensis var. *rubriflora* Franchet in Nouv.
Arch. Mus. Hist. Nat. 8(2): 182. 1886. *Schisandra*
grandiflora var. *rubiflora* Schneid. in Bot. Gaz. 63: 523.
1917. *Schizandra rubriflora* Redher & Wilson ex Redher
in Bailey, Stand. Cycl. Hort. 6: 3110. 1917; Anon. in
Garden. Chron. 78(3): 254. 1925; Stapf. in Curtis's
Bot. Mag. 152. tab. 9146. 1928; Hand.-Maz. Symb. Sin.
7: 244. 1931. *Schizandra sphenanthera* Kanj. et al.
Fl. Assam 1: 28. 1934 (non Rehder & Wilson).

Distribution: Assam, Burma and China.

II. KADSURA KAEMPF. EX JUSS.

Kadsura heteroclita (Roxb.) Craib

Fl. Siam. Enum 1: 28. 1925; Alston in Trimen.
Handb. Fl. Ceylon 6: 4. 1931; Smith in Sargentia 7:
187. 1947. *Uvaria heteroclita* Roxb. in Fl. Ind. 2: 663.
1832; Griff. Notul. Pl. As. 4: 711, et Ic. 4: Pl. 649.
1854. *Kadsura japonica* Wall. in Tent. Fl. Nep. 12:
1824 (non L. ex Dunal). *Kadsura roxburghiana* Arn. in
Mag. Zool. & Bot. 2: 546. 1838; Hk. f. Thoms. Fl.
Ind. 83. 1855; Hk. f. F.B.I. 1: 45. 1872; King in Ann.
R. Bot. Gdn. Cal. 3: 222. 1891; Finet & Gagnep. in
Bull. Soc. bot. Fr. 58: 1906; Brandis Ind. Trees 9.
1906; Parkinson, Forest. Fl. Andaman Isls. 73. 1923;
Cowan & Cowan, Tr. N. Bengal 11. 1929; Gamble
Fl. Pres. Madras 1: 7. 1835; Kanj. et al. Fl. Assam
1: 29. 1934. *Kadsura wightiana* Arn. Mag. Zool. &
Bot. 2: 546. 1838; Hk. f. & Thoms. Fl. Ind. 1: 84.
1855; Hk. f. F.B.I. 1: 45. 1872; King in Ann. R. Bot.
Gdn. Cal. 3: 22. 1891; Alston in Trimen, Handb. Fl.
Ceylon 1: 16. 1893; Parment. in Bull. Sc. Fr. & Belg.
27: 238. 1896; Brandis, Ind. Trees 9. 1906. *Kadsura*
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K. championi Clarke Ibid. *K. acuminata* Parment. in
Bull. Sc. Fr. & Belg. 27: 238. 1896. *K. lanceolata* Finet
& Gagnep. in Bull. Soc. Bot. Fr. 52: 53, 1905.

Distribution: Assam—Khasia, E. Himalaya, Mala-
bar and Ceylon, Burma, China and Sumatra.

TROCHODENDRACEAE

EUPTELEA SIEB. & JUCC.

Euptelea pleiosperma Hook. f. & Thoms.

in Jour. Linn. Soc. 7: 240. 1864; Hk. f. F.B.I. 1: 39.
1872; King, in Ann. R. Bot. Gdn. Cal. 3: 199. 1891;
Finet & Gagnep. in Bull. Soc. Bot. Fr. 53: 25. 1906;
Smith, in Journ. Arn. Arbor. 27: 180. 1946. *E. griffithii*
Hook. f. & Thoms. ex Baill. Hist. Pl. 1: 162. 1868-69.
E. delavayi Vantieghem in Journ. Bot. Morot. 14: 273.
1900.

Distribution: Mishmi Hills (E. Himalaya).