

REVISION OF THE GENUS NAGEIA (PODOCARPACEAE)

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SUMMARY

Because of changes in nomenclature rules the species previously included in *Decussocarpus* are moved to *Nageia*.

Changes in the rules of nomenclature make necessary a revision of the genus *Nageia*. This genus was originally proposed by Gaertner in 1788 with a description which combined characters of *Myrica* and of a Podocarpaceous plant. In broad treatments of the genus *Podocarpus* this latter was included and the name *Podocarpus* has been conserved against *Nageia*. In 1858 Gordon separated *Nageia* from *Podocarpus*, applying this generic name to what others have treated as section *Nageia* or section *Dammaroides*. In 1969 I separated various elements from *Podocarpus* including the part containing *Nageia* for which I erected the generic name *Decussocarpus*, the necessary procedure at the time. It is now necessary to recognize the genus *Nageia* as lectotypified for its Podocarpaceous element by Gordon.

NAGEIA Gaertner

Nageia Gaertner, De Fruct. & Sem. 1 (1788) 191; Gordon, Pinetum (1858) 134; O. Kuntze, Rev. Gen. Pl. 2 (1891) 798. — Type species: *Myrica nagi* Thunb. (type ex herb. Thunb., microfiche no. 23381).

A. Section *Nageia*

Podocarpus sect. *Nageia* Endl., Syn. Conif. (1847) 207; Parl. in DC., Prod. 16, 2 (1868) 507. — *Podocarpus* sect. *Dammaroideae* Bennet ex Horsf., Pl. Jav. Rar. (1838) 41. — *Decussocarpus* sect. *Dammaroides* (Bennet) de Laub., J. Arn. Arb. 50 (1969) 348.

1. *Nageia nagi* (Thunb.) O. Kuntze, Rev. Gen. Pl. 2 (1891) 798. — *Myrica nagi* Thunb., Fl. Japon. (1784) 76; DC., Prod. 16, 2 (1868) 151. — *Nageia japonica* Gaertner, De Fruct. & Sem. 1 (1788) 191, t. 39, f. 8. — *Podocarpus nageia* R. Br.

- ex Mirbel, Mem. Mus. Paris 13 (1825) 75 (based on *Nageia japonica*); Parl. in DC., Prod. 16, 2 (1868) 508. – *Podocarpus cuspidata* Endl., Syn. Conif. (1847) 207, hort. – *Nageia cuspidata* (Endl.) Gordon, Pinetum (1858) 136. – *Nageia ovata* Gordon, Pinetum, Suppl. (1862) 42. – *Podocarpus ovata* (Gordon) Henkel & Hochst., Syn. Nadelh. (1865) 381. – *Dammara veitchii* Henkel & Hochst., ibid. 216, hort. – *Podocarpus japonica* (Gaertner) Nelson, Pinac. (1866) 155, non Siebold. – *Podocarpus nagi* (Thunb.) Makino, Bot. Mag. Tokyo 17 (1903) 113. – *Podocarpus formosensis* Dummer, Gard. Chron. III, 52 (1912) 295. – *Podocarpus nankoensis* Hayata, Ic. Pl. Formos. 7 (1918) 39. – *Podocarpus kosuensis* (Kaneh.) Kaneh., Formos. Trees, Rev. ed. (1936) 36. – *Decussocarpus nagi* (Thunb.) de Laub., J. Arn. Arb. 50 (1969) 357.
2. *Nageia wallichiana* (Presl) O. Kuntze, Rev. Gen. Pl. 2 (1891) 800. – *Podocarpus latifolia* Blume, Enum. Pl. Javae 1 (1827) 89, non (Thunb.) R. Br. – *Podocarpus latifolia* Wall., Pl. As. Rar. (1830) 26. – *Podocarpus wallichianus* Presl, Bot. Bemerk. (1844) 110. – *Podocarpus blumei* Endl., Syn. Conif. (1847) 208. – *Podocarpus agathifolia* Blume, Rumphia 3 (1849) 217. – *Nageia blumei* (Endl.) Gordon, Pinetum (1858) 135. – *Nageia latifolia* (Wall.) Gordon, ibid. 138. – *Decussocarpus wallichianus* (Presl) de Laub., J. Arn. Arb. 50 (1969) 349.
3. *Nageia motleyi* (Parl.) de Laub., *comb. nov.* – *Dammara motleyi* Parl., Enum. Sem. Hort. Bot. Mus. Florent. (1862) 26. – *Podocarpus beccarii* Parl. in DC., Prod. 16, 2 (1868) 508. – *Nageia beccarii* (Parl.) Gordon, Pinetum ed. 2 (1875) 186. – *Agathis motleyi* (Parl.) Warb., Monsunia 1 (1900) 185. – *Podocarpus motleyi* (Parl.) Dummer, J. Bot. 52 (1914) 240. – *Decussocarpus motleyi* (Parl.) de Laub., J. Arn. Arb. 50 (1969) 352.
4. *Nageia maximus* (de Laub.) de Laub., *comb. nov.* – *Decussocarpus maximus* de Laub., J. Arn. Arb. 50 (1969) 353. – *Podocarpus maximus* (de Laub.) Gaussen, Gymn. Act. & Foss. 14, ch. 21 (1976) 14.
5. *Nageia fleuryi* (Hickel) de Laub., *comb. nov.* – *Podocarpus fleuryi* Hickel, Bull. Soc. Dendrol. France 75 (1930) 75. – *Decussocarpus fleuryi* (Hickel) de Laub., J. Arn. Arb. 50 (1969) 355.

B. Section Polypodiopsis (Bertrand) de Laub., *comb. nov.*

Podocarpus sect. *Polypodiopsis* Bertrand, Ann. Sci. Nat. V, 20 (1874) 65. – *Decussocarpus* sect. *Decussocarpus* de Laub., J. Arn. Arb. 50 (1969) 341.

6. *Nageia vitiensis* (Seem.) O. Kuntze, Rev. Gen. Pl. 2 (1891) 800. – *Podocarpus vitiensis* Seem., J. Bot. 1 (1863) 33. – *Podocarpus filicifolius* Gray, J. Arn. Arb. 43 (1962) 74. – *Decussocarpus vitiensis* de Laub., J. Arn. Arb. 50 (1969) 342.

7. *Nageia comptonii* (Buchholz) de Laub., *comb. nov.* – *Podocarpus comptonii* Buchholz, Bull. Mus. Hist. Nat. Paris II, 21 (1949) 284. – *Decussocarpus comptonii* (Buchholz) de Laub., J. Arn. Arb. 50 (1969) 344.
8. *Nageia minor* Carr., *Traité Gén. Conif.* ed. 2 (1867) 641. – *Podocarpus minor* (Carr.) Parl. in DC., *Prod.* 16, 2 (1868) 509. – *Podocarpus palustris* Buchholz, Bull. Mus. Hist. Nat. Paris II, 21 (1949) 284. – *Decussocarpus minor* (Carr.) de Laub., J. Arn. Arb. 50 (1969) 346.
9. *Nageia rospigliosii* (Pilger) de Laub., *comb. nov.* – *Podocarpus rospigliosii* Pilger, Notizbl. Bot. Gart. Berlin 8 (1923) 273. – *Decussocarpus rospigliosii* (Pilger) de Laub., J. Arn. Arb. 50 (1969) 347.
10. *Nageia piresii* (Silba) de Laub., *comb. nov.* – *Decussocarpus piresii* Silba, *Phytologia* 54 (1983) 461.

C. Section *Afrocarpus* (Buchholz & Gray) de Laub., *comb. nov.*

Podocarpus sect. *Afrocarpus* Buchholz & Gray, J. Arn. Arb. 29 (1948) 57. – *Decussocarpus* sect. *Afrocarpus* (Buchholz & Gray) de Laub., J. Arn. Arb. 50 (1969) 359. – *Afrocarpus* Gaussen, *Gymn. Act. & Foss. fasc.* 13, ch. 20 (1974) 113.

11. *Nageia falcatus* (Thunb.) O. Kuntze, *Rev. Gen. Pl.* 2 (1891) 800. – *Taxus falcata* Thunb., *Prod. Pl. Capensis* (1800) 117. – *Podocarpus falcatus* (Thunb.) R. Br. ex Mirb., *Mém. Mus. Hist. Nat. Paris* 13 (1825) 75. – *Podocarpus gracilior* Pilger, *Pflanzenr.* IV, 5 (Heft 18) (1903) 71. – *Podocarpus gracillimus* Stapf, *Fl. Trop. Afr.* (ed. Prain) 6, 2 (1917) 343. – *Decussocarpus falcatus* (Thunb.) de Laub., J. Arn. Arb. 50 (1969) 359. – *Decussocarpus gracilior* (Pilger) de Laub., *ibid.* – *Podocarpus gaussenii* Woltz, *Bull. Soc. Bot. France* 116 (1969) 349; *Trav. Lab. For. Toulouse t. I*, 8, art. II (1969) 6. – *Afrocarpus gracilior* (Pilger) Gaussen, *Gymn. Act. & Foss. fasc.* 13, ch. 20 (1974) 120. – *Afrocarpus gracillima* (Stapf) Gaussen, *ibid.* 122. – *Afrocarpus falcata* (Thunb.) Gaussen, *ibid.* – *Afrocarpus gaussenii* (Woltz) Gaussen, *ibid.* 120.
12. *Nageia mannii* (Hook. f.) O. Kuntze, *Rev. Gen. Pl.* 2 (1891) 800. – *Podocarpus mannii* Hook. f., *J. Linn. Soc.* 7 (1864) 218. – *Podocarpus usambarensis* Pilger, *Pflanzenr.* IV, 5 (Heft 18) (1903) 70. – *Podocarpus dawei* Stapf, *Fl. Trop. Afr.* (ed. Prain) 6, 2 (1917) 342. – *Decussocarpus mannii* (Hook. f.) de Laub., J. Arn. Arb. 50 (1969) 359. – *Afrocarpus dawei* (Stapf) Gaussen, *Gymn. Act. & Foss. fasc.* 13, ch. 20 (1974) 124. – *Afrocarpus usambarensis* (Pilger) Gaussen, *ibid.* – *Afrocarpus mannii* (Hook. f.) Gaussen, *ibid.* 126.