

Species Datasheet

Datasheet No. G-009.003.002
(family.genus.species)

1.Taxon:

Species: *Podocarpus neriifolius* D. Don

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. Synonyms: *Margbensonia neriifolia* (D.Don) A.V.Bobrov & Melikyan, *Nageiadiscolor* (Blume) Kuntze, *N. endlicheriana* (Carriere) Kuntze, *N. leptostachya* (Blume) Kuntze, *N. neglecta* (Blume) Kuntze, *N. neriifolia* (D.Don) Kuntze, *Podocarpus decipiens* N.E.Gray, *P. discolor* Blume, *P. endlicherianus* Carriere, *P. junghuhnianus* Miq., *P. leptostachyus* Blume, *P. macrophyllus* var. *acuminatissimus* E.Pritz., *P. neglectus* Blume, *P. neriifolius* var. *decipiens* (N.E.Gray) Silba, *P. neriifolius* subsp. *decipiens* (N.E.Gray) Silba, *P. neriifolius* var. *linearis* Wasscher, *P. neriifolius* var. *membranaceus* Wasscher, *P. neriifolius* var. *penibukanensis* Silba, *P. neriifolius* subsp. *penibukanensis* (Silba) Silba, *P. neriifolius* var. *polyanthus* Wasscher, *P. neriifolius* var. *staintonii* Silba, *P. neriifolius* subsp. *staintonii* (Silba) Silba, *P. polyanthus* (Wasscher) Gaussen

3. Systematic Position:

Christenhusz *et al.* (2011)

- Class: Equisetopsida C. Agardh
- Subclass: Pinidae Cronquist
- Order: Araucariales Gorozh.
- Family: Podocarpaceae Endl.
- Genus: *Podocarpus* L'Hér. ex Pers.
- Species: *P. neriifolius* D. Don

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Gymnospermeae
Ordo: Coniferae
Tribus: Podocarpeae Dumort.
Genus: *Podocarpus* L'Hér. ex Pers.
Species: *P. neriifolius* D. Don

4.Distribution:

Global: Bhutan, Cambodia, [China](#), [Fiji](#), [India](#), [Indonesia](#), [Laos](#), [Malaysia](#), [Myanmar](#), [Nepal](#), [Papua New Guinea](#), [Solomon Islands](#), [Thailand](#), [Philippines](#), Vietnam

India: Andaman Islands, North East India, East Himalayan region upto 900 m.

5.Indigenous/Exotic/Endemic;Cultivated/Wild:

6. Threat Status:

IUCN: Least concern

BSI:

7. Habit and Habitat: Tall tree, in tropical and subtropical wet closed forests, between 650m and 1600m. *Pneriifolius* is the most widespread species in the genus. It occurs as a scattered tree in evergreen primary broad-leaved forests, either in the understorey or more commonly (and eventually) as a canopy tree.

8. Life Form: Phanerophytes

9. Economic Importance: Timber is of high quality; used in carpentry, making Bars, spars and Masts.

10. Probable Progenitor of:

11. DNA

C-value	Methodology
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12. Basic chromosome number(s): $x=17^4, 19^{1, 6}$

13. Zygotic chromosome number(s): $2n=38^{1, 6}, 33^2$

14. Gametic chromosome number(s): $n=17$ (endosperm mitosis) ⁴

15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16. Ploidy level: Diploid^{1, 2, 4, 6}

Image file

17. Agametoploidy:

18. Nature of polyploidy (auto, segmental, allo, autoallo):

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

21. Somatic chromosomes:⁶

Karyotype Median, submedian and terminal⁶

Chromosome size Large⁶

NOR chromosome(s) 4⁶

Degree of asymmetry Asymmetrical⁶

Image file

22. Banding pattern(s):

Image file

23. Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization:

Image file

24. Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26. Chromosome associations:

Female meiosis

Male meiosis

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc.):