

Final Species Datasheet JamU+CaU+SUK-Phase I

Datasheet No. A-126.001.004
(family.genus.species)

DBT- 1

1. Taxon:

Species: *Daphniphyllum neilgherrense* (Wight) K.Rosenthal

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Daphniphyllum glaucescens* subsp. *neilgherrense* (Wight) T.C.Huang, *D. glaucescens* var. *concolor* Müll.Arg., *Goughia neilgherrensis* Wight

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Clade: Core Eudicot
- Clade: Superrosids
- Order: Saxifragales Bercht. & J. Presl
- Family: Daphniphyllaceae Müll.Arg.
- Genus: *Daphniphyllum* Blume
- Species: *D. neilgherrense* (Wight) K.Rosenthal

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Monochlamydeae
- Series: Unisexuales
- Ordo: Euphorbiaceae Juss.
- Genus: *Daphniphyllum* Blume
- Species: *D. neilgherrense* (Wight) K.Rosenthal

4. Distribution:

Global: India, Sri Lanka, Korea, Java, Malesia

India: Kerala, Karnataka, Tamil Nadu

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

6. Threat Status:

IUCN: Not evaluated

BSI

7. Habit and Habitat: Tree up to 12 m tall; evergreen and shola forest margins

8. Life Form: Phanerophyte

9. Economic Importance: Used in folk medicine

10. Probable Progenitor of:

11. DNA

C-value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s):

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

Image file

16. Ploidy level:

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:

Karyotype

Chromosome size

NOR chromosome(s)

Degree of asymmetry

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; Translocations etc):