

Species Datasheet

Datasheet No. P-025.003.010
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Cyathea latebrosa* (Wall. ex Hook.) Copel.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Alsophilalatebrosa Wall. ex Hook.

Dichorexialatebrosa (Wall. ex Hook.) C. Presl

3.Systematic Position:

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- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Cyatheales A.B.Frank in J.Leunis
- Family: Cyatheaceae Kaulf.
- Subfamily:
- Genus: *Cyathea* Seg.
- Species: *Cyathea latebrosa* (Wall. Ex Hook.) Copel
- Subspecies:

4.Distribution:

Global: native to Indochina. Its natural range covers Cambodia and Thailand, and stretches from the Malay Peninsula to Indonesia, where it is present on the islands of Borneo and Sumatra, India, Sri Lanka

India: South India

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Tree fern, grows in forests, secondary forests, and plantations, from sea level up to an elevation of about 1500 m.

8. Life Form: Tree fern, perennial

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value	Methodology
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12. Basic chromosome number(s): $x=69^{1,2, 7, 11}$

13. Zygotic chromosome number(s): $2n=138^7$

14. Gametic chromosome number(s): $n=69^{1,2, 7, 11}$

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

Image file

16. Ploidy level: Diploid (sexual)^{1,2, 7, 11}

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 69II^{1,2, 7, 11}

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.):