

Species Datasheet

Datasheet No. P-025.003.012

(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Cyathea spinulosa* Wall. ex Hook.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Alsophiladecipiens J. Scott ex Bedd.

Alsophilafauriei Christ

Alsophilaspinulosa (Wall. ex Hook.) R.M. Tryon

Amphicosmiadecipiens (J. Scott ex Bedd.) Bedd.

Cyatheataiwaniana Nakai

3. Systematic Position:

Christenhusz 2011

- 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 spinulosa* Wall.ex Hook.
- Subspecies:

4. Distribution:

Global: Japan; China; Taiwan; Nepal; Bhutan; Myanmar; Thailand; Vietnam and Philipines, India

India: Uttarakhand, West Bengal (Darjeeling), Sikkim, Assam, Meghalaya, Madhya Pradesh, Andhra Pradesh, Tamil Nadu and Nicobar Islands

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

6.Threat Status:

IUCN:Vulnerable. Habitat alteration and change in land use are some causes of threat.

BSI:

7.Habit and Habitat:In deep shade usually in moist places in the lower montane forest at about 700 m alt.
When the forests are cut down, this [species](#) cannot survive the resulting dry conditions.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=69^{9, 10, 13, 14}$

13. Zygotic chromosome number(s): $2n=138^{10}$

14. Gametic chromosome number(s): $n=69^{9, 13, 14}$

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

Image file

16.Ploidy level:Diploid (sexual)^{9, 10, 13, 14}

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 ^{9, 13, 14}

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.):