

Species Datasheet

Datasheet No. P-030.007.005
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Cheilanthes chrysophylla* Hook.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Aleuritopteris chrysophylla (Hook.) Ching

Cheilanthes argentea var. *chrysophylla* (Hook.) Hook.

Cheilanthes farinosa var. *chrysophylla* (Hook.) C.B. Clarke

3.Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Pteridaceae E.D.M. Kirchn
- Subfamily: Cheilanthoideae W.C. Shieh
- Genus: *Cheilanthes* Sw.
- Species: *Cheilanthes chrysophylla* Hook.
- Subspecies:

4.Distribution:

Global: N India, S China

India: Eastern Himalayas

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Lithophyte, 1700m

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=30^{25}$

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

14. Gametic chromosome number(s): $n=30^{25}$

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

Image file

16.Ploidy level: Diploid (sexual) ²⁵

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 30II²⁵

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.):