

Species Datasheet

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Datasheet No. P-030.006.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Ceratopteris pteridoides* (Hook.) Hieron.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Ceratopteris lockhartii (Hook. & Grev.) Kunze

Ceratopteris parkeri (Hook.) J. Sm.

Parkeria lockhartii Hook. & Grev.

Parkeria pteridoides Hook.

3. Systematic Position:

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- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Pteridaceae E.D.M. Kirchn
- Subfamily: Ceratopteridoideae (J. Sm.) R.M. Tryon
- Genus: *Ceratopteris* Brong.
- Species: *Ceratopteris pteridoides* (Hook.) Hieron.
- Subspecies:
- Variety:

4. Distribution:

Global: West Indies; Central America; South America; se Asia in Vietnam.

India: Eastern India

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Aquatic to semiaquatic; in swamps, bogs, canals, ponds, lakes, ditches, marshes

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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12.Basic chromosome number(s): $x=39^1$, 40^6

13. Zygotic chromosome number(s): $2n=78^1$

14. Gametic chromosome number(s): $n=39^1$, 40^6

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

Image file

16.Ploidy level:Diploid (sexual)^{1, 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:

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 $39\text{II}^1, 40\text{II}^6$

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.):