

Species Datasheet

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Datasheet No. P-030.012.010
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Pteris camerooniana* Kuhn

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Pterisbonapartei C. Chr.

Pterismanniana Mett. ex Kuhn

Pteris pellucida C. Presl

3.Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Pteridaceae E.D.M. Kirchn
- Subfamily: Pteridoideae C. Chr. Ex Crabbe, Jermy & Mickel
- Genus: *Pteris* L.
- Species: *Pteris camerooniana* Kuhn
- Subspecies:
- Variety:

4.Distribution:

Global:

India: Eastern Himalayas (Darjeeling), Kerala-Aryankavu, Mavattupuzha, Western Ghats

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=29^{8, 30, 31, 32, 33, 39, 73}$

13. Zygotic chromosome number(s): $2n=58^{8, 30, 31, 32, 33, 39, 116}$ ^{30, 31, 32, 79}

14. Gametic chromosome number(s): $n=29^{30, 31, 32, 33, 73, 58}$ ^{30, 31, 32, 79}

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

Image file

16.Ploidy level:Diploid (sexual)^{30, 31, 32, 33, 73} ,
Tetraploid (sexual)^{30, 31, 32}

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 Diploid : $2n^{30, 31, 32, 33, 73}$,

Tetraploid : $4n^{30, 31, 32}$

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.):