

Species Datasheet

Datasheet No. P-045.005.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Poecilopteris virens* (Wall. ex Hook. & Grev.) T. Moore

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Acrostichum virens Wall. ex Hook. & Grev.

Bolbitis virens (Wall. ex Hook. & Grev.) Schott

Campium virens (Wall. ex Hook. & Grev.) C. Presl

3. Systematic Position:

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- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Dryopteridaceae Herter
- Subfamily: Elaphoglossoideae (Pic. Serm.) Crabbe, Jermy & Mickel
- Genus: *Poecilopteris* Eschw
- Species: *Poecilopteris virens* (Wall. ex Hook. & Grev.) T. Moore
- Subspecies:
- Variety:

4. Distribution:

Global:

India: South west India

5. Indigenous/Exotic/Endemic; Cultivated/Wild: Endemic to the Western Ghats

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Terrestrial or lithophytic found in shady undergrowth of the forest, on rich soils among leaf litter.

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value	Methodology
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12. Basic chromosome number(s): $x=41^{1, 2, 3, 4}$

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

14. Gametic chromosome number(s): $n=41^{1, 2, 3, 4}$

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

Image file

16. Ploidy level: Diploid (sexual) $^{1, 2, 3, 4}$

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 41 II^{1, 2, 3, 4}

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.):