

Species Datasheet

Datasheet No. P-051.008.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Platynerium bifurcatum* (Cav.) C. Chr.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Acrostichumbifurcatum Cav.

Alcicorniumbifurcatum (Cav.) Underw.

3. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Polypodiaceae J. Presl & C. Presl
- Subfamily: Platynerioideae B.K. Nayar
- Genus: *Platynerium* Desv.
- Species: *Platynerium bifurcatum* (Cav.) C. Chr.
- Subspecies:
- Variety:

4. Distribution:

Global: New Guinea, and along the coasts of Queensland and New South Wales

India: Kerala-Western Ghats

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

6. Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Epiphytic, growing on the trunks and branches of trees. Each plant is composed of a mass of plantlets

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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12.Basic chromosome number(s): $x=37^{1, 2}$

13. Zygotic chromosome number(s): $2n=74^2$

14. Gametic chromosome number(s): $n=37^{1, 2}$

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

Image file

16.Ploidylevel:Diploid (sexual)¹

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 37II¹

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.):