

Species Datasheet

Datasheet No. P-051.024.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Leptochilus axillaris* (Cav.) Kaulf.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Acrostichum axillare Cav.

Gymnopteris axillaris (Cav.) C. Presl

Gymnopteris variabilis var. *axillaris* (Cav.) Bedd.

3. Systematic Position:

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- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Polypodiaceae J. Presl & C. Presl
- Subfamily: Microsoroideae B.K. Nayar
- Genus: *Leptochilus* Kaulf.
- Species: *Leptochilus axillaris* (Cav.) Kaulf.
- Subspecies:
- Variety:

4. Distribution:

Global: India, Bangladesh, Burma, Peninsular Malaysia, Sumatra, Java, Borneo, Philippines, New Guinea.

India: NE-India, Assam, S-India, Bengal

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Epiphytic on tree trunks in evergreen forests at medium altitudes.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=36^{13}$

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

14. Gametic chromosome number(s): $n=36^{13}$

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

Image file

16.Ploidylevel:Diploid (sexual)¹³

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 36II^{13}

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.):