

Species Datasheet

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Datasheet No. P-051.005.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Goniophlebium argutum* (Wall. ex Hook.) J. Sm. ex Hook.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms: Nil

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: *Goniophlebium* (Blume) C. Presl
- Species: *Goniophlebium argutum* (Wall. ex Hook.) J. Sm. ex Hook.
- Subspecies:
- Variety:

4.Distribution:

Global: India, Nepal, Bhutan, Tibet, China, Taiwan, Vietnam, Laos, Thailand, Philippines, Myanmar.

India: Himachal Pradesh, Darjeeling, Meghalaya, Nagaland

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Grows as an epiphyte or lithophyte . Occasional between 1800 and 2700 m altitude, between Loharkhet and Dhakuri, Madhari

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=35^{1, 2}, 36^3$

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

14. Gametic chromosome number(s): $n=35^{1, 2}, 36^3$

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

Image file

16.Ploidylevel:Diploid (sexual)^{1, 2, 3}

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 $35\text{II}^{1,2}, 36\text{II}^3$

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.):