

# Species Datasheet

Datasheet No. P-009.005.003

(family.genus.species)

DBT- Network Programme

## 1. Taxon:

**Species:** *Hymenophyllum exsertum* Wall. ex Hook.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

## 2. Synonyms:

*Hymenophyllum austrosinicum* Ching

*Hymenophyllum delavayi* Christ

*Hymenophyllum gardneri* Bosch

*Mecodium exsertum* (Wall. ex Hook.) Copel.

## 3. Systematic Position:

### Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Hymenophyllales A.B.Frank in J.L.Leunis
- Family: Hymenophyllaceae Mart.
- Subfamily:
- Genus: *Hymenophyllum* Sm.
- Species: *Hymenophyllum exsertum* Wall. ex Hook.
- Subspecies:

## 4. Distribution:

**Global:** China (Fujian, Guangdong, Hainan, Sichuan, Yunnan), Tibet, Cambodia, Laos, Myanmar [Burma], Nepal, Sri Lanka, Thailand (widespread), Vietnam, India, Bhutan, Andaman Isl.

**India:** throughout, in mountainous regions, Himachal Pradesh, Uttar Pradesh, Sikkim, Darjeeling, Meghalaya, Khasia Hills, Manipur, C-India, S-India

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

**6.Threat Status:**

**IUCN:**

**BSI:**

**7.Habit and Habitat:**On mossy tree trunks in tropical evergreen forest at medium or higher altitudes.

**8.Life Form:**

**9.Economic Importance:**

**10. Probable Progenitor of:**

**11.DNA**

**C-value            Methodology**

**12.Basic chromosome number(s):** $x=7^{2, 3, 5, 6, 7, 8}$

**13. Zygotic chromosome number(s):** $2n=42^{2, 7}$

**14. Gametic chromosome number(s):** $n=21^{2, 3, 5, 6, 7, 8}$

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

Image file

**16.Ploidy level:**Hexaploid (sexual)<sup>2, 3, 5, 6, 7, 8</sup>

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**  $21\text{II}^6$

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;Translocationsetc.):**