

# Species Datasheet

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Datasheet No. P-045.003.008  
(family.genus.species)

DBT- Network Programme

## 1.Taxon:

**Species:** *Bolbitis presiliana* Ching (unresolved)

Subspecies:

Variety:

Cultivar

Hybrid

Image file

## 2. Synonyms: Nil

## 3. Systematic Position:

### Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Dryopteridaceae Herter
- Subfamily: Elaphoglossoideae (Pic. Serm.) Crabbe, Jermy & Mickel
- Genus: *Bolbitis* Schott
- Species: *Bolbitis presiliana* Ching (unresolved)
- Subspecies:
- Variety:

## 4. Distribution:

### Global:

**India:** southern Indian endemic common in the Western Ghats of Karnataka (Mysore, western side of Coorg Ghats, Jog falls, Sagar and Castle Rock at the elevation of 600 m and Maharashtra (Sindhudurg, Pune and Raigad), in Wayanad, Kozhikode, Malappuram and Kannur districts of northern Kerala

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

## 6. Threat Status:

IUCN:

**BSI:**

**7.Habit and Habitat:**grows on rocks, river beds in evergreen and semievergreen forests

**8.Life Form:**

**9.Economic Importance:**

**10. Probable Progenitor of:**

**11.DNA**

**C-value            Methodology**

**12.Basic chromosome number(s):** $x=41^{5, 11, 12}$

**13. Zygotic chromosome number(s):** $2n=82^{5, 11, 12}$

**14. Gametic chromosome number(s):** $n=41^{5, 11}$

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

Image file

**16.Ploidy level:**Diploid (sexual)<sup>5, 11, 12</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** 41II<sup>5, 11</sup>

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.):**