

# Species Datasheet

Datasheet No. P-045.003.013  
(family.genus.species)

DBT- Network Programme

## 1.Taxon:

**Species:** *Bolbitis subcrenata* Hook. & Grev. (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 subcrenata* Hook. & Grev. (unresolved)
- Subspecies:
- *Variety*:

## 4.Distribution:

**Global:** Southern India and Sri Lanka at the altitude of 600 to 900 m .Maharashtra (Pune, Satara, Kolhapur, Raigad, Ratnagiri), India, Sri Lanka

**India:** Karnataka, Kerala, Maharashtra, Tamil Nadu

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

## 6. Threat Status:

IUCN: Least concern

BSI:

**7. Habit and Habitat:** It grows on rocks near streams and on slope under shade in moist forests and is also seen in hilly forests

## 8. Life Form:

## 9. Economic Importance:

## 10. Probable Progenitor of:

## 11. DNA

C-value      Methodology

**12. Basic chromosome number(s):**  $x=41^{3, 9, 11, 12}$

**13. Zygotic chromosome number(s):**  $2n=82^{9, 11, 12}$

**14. Gametic chromosome number(s):**  $n=41^3$

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

Image file

**16. Ploidy level:** Diploid (sexual)<sup>3, 9, 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>3</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.):**