

# Species Datasheet

Datasheet No. P-048.002.013  
(family.genus.species)

DBT- Network Programme

## 1.Taxon:

**Species:** *Tectaria macrodonta* C. Chr. (unresolved)

Subspecies:

Variety:

Cultivar

Hybrid

Image file

## 2. Synonyms:Nil

## 3.Systematic Position: Christenhusz 2011

- Class: EquisetopsidaC.Agardh
- Subclass: PolypodiidaeCronquist, Takht. &Zimmerm.
- Order: Polypodiales Link.
- Family: TectariaceaePanigrahi
- Subfamily:
- Genus: *Tectaria* Cav.
- Species: *Tectaria macrodonta* C.Chr. (unresolved)
- Subspecies:
- Variety:

## 4.Distribution:

**Global:**Tropical Africa, India, SW China, Indochina, Taiwan and W Malaysia

**India:** Himalayas-Uttarakhand, Darjeeling, Sikkim; Central India-Pachmarhi, Amarkantak Hills, South India-Western Ghats, Peermade, Ponmudi, ShevaroyHills,Kerala, Ootacamund, Tirnelveli, Sengelteri, Thenmala, Achankovil, Kulathupuza; western India Mahabaleshwar, Lonavala, Khandala

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

## 6.Threat Status:

**IUCN:**

**BSI:**

**7.Habit and Habitat:**On mountain slopes in dense forests at 350–1500 m alt.

**8.Life Form:**

**9.Economic Importance:**

**10. Probable Progenitor of:**

**11.DNA**

**C-value            Methodology**

**12.Basic chromosome number(s):** $x=40$ <sup>1, 2, 7, 11, 12, 13, 15, 18, 19, 21, 22, 23, 24, 27, 29, 30, 31</sup>,  
<sup>41</sup><sup>10</sup>

**13. Zygotic chromosome number(s):** $2n=80$ <sup>1, 2, 24, 26</sup>

**14. Gametic chromosome number(s):** $n=40$ <sup>1, 2, 7, 11, 12, 13, 15, 18, 19, 21, 22, 23, 24, 27, 29, 30, 31</sup>,  
<sup>41</sup><sup>10</sup>

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

Image file

**16.Ploidy level:**Diploid (sexual)<sup>1, 2, 7, 10, 11, 12, 13, 15, 18, 19, 21, 22, 23, 24, 26, 27, 29, 30, 31</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:**<sup>26</sup>

**Karyotype**Median, submedian and two subterminal pairs<sup>26</sup>

**Chromosome size**Small<sup>26</sup>

**NOR chromosome(s)**

**Degree of asymmetry** Symmetrical<sup>26</sup>

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** 40 II<sup>1, 2, 7, 11, 12, 13, 15, 18, 19, 21, 22, 23, 24, 27, 29, 30, 31</sup>

41 II<sup>10</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.):**