

# Species Datasheet

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Datasheet No. P-042.012.004  
(family.genus.species)

DBT- Network Programme

## 1.Taxon:

**Species:** *Trigonospora sericea* (J. Scott ex Bedd.) Holttum

Subspecies:

Variety:

Cultivar

Hybrid

Image file

## 2. Synonyms:

*Dryopteriscalcarata* var. *sericea* (J. Scott ex Bedd.) C. Chr.

*Lastreacalcarata* var. *sericea* (J. Scott ex Bedd.) Bedd.

*Lastreasericea* J. Scott ex Bedd.

## 3.Systematic Position:

### Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Thelypteridaceae Pic. Serm.
- Subfamily:
- Genus: *Trigonospora* Holtt.
- Species: *Trigonospora sericea* (J. Scott ex Bedd.) Holttum
- Subspecies:
- Variety:

## 4.Distribution:

**Global:**

**India:** Central India-Pachmarhi

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

**6.Threat Status:**

**IUCN:**

**BSI:**

**7.Habit and Habitat:**

**8.Life Form:**

**9.Economic Importance:**

**10. Probable Progenitor of:**

**11.DNA**

**C-value            Methodology**

**12.Basic chromosome number(s): $x=36^{4, 14, 15}$**

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

**14. Gametic chromosome number(s): $n=72^{4, 14, 15}$**

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

Image file

**16.Ploidylevel:Tetraploid (sexual) $^{4, 14, 15}$**

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**<sup>72II<sup>4</sup>, 14, 15</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.):**