

# Species Datasheet

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Datasheet No. P-030.012.042  
(family.genus.species)

DBT- Network Programme

## 1.Taxon:

**Species:** *Pteris silentvalliensis* N. C. Nair (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: Pteridaceae E.D.M. Kirchn
- Subfamily: Pteridoideae C. Chr. Ex Crabbe, Jermy & Mickel
- Genus: *Pteris* L.
- Species: *Pteris silentvalliensis* N.C.Nair (unresolved)
- Subspecies:
- Variety:

## 4.Distribution:

**Global:**

**India:**

## 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): $x=29^{63}$**

**13. Zygotic chromosome number(s): $2n=87^{63}$**

**14. Gametic chromosome number(s): $n=87^{63}$**

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

Image file

**16.Ploidylevel:Triploid (apogamous)  $^{63}$**

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** Triploid (apogamous): 8-celled sporangium 87II <sup>63</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.): Apogamy<sup>63</sup>**