

# Species Datasheet

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Datasheet No. P-007.001.001  
- (family.genus.species)

DBT- Network Programme

## 1.Taxon:

**Species:** *Angiopteris evecta* (G.Forst.) Hoffm.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

**2. Synonyms:** *Polypodium evectum* G. Forst.

## 3.Systematic Position: Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Marattidae Klinge
- Order: Marattiales Link
- Family: Marattiaceae Kaulf.
- Subfamily:
- Genus: *Angiopteris* Hoffm.
- Species: *Angiopteris evecta* (G.Forst.) Hoffm.
- Subspecies:

## 4.Distribution:

**Global:** From India and China through Southeast Asia and Malaysia to the islands of the Pacific.

**India:** Himalayas, Eastern and western Ghats

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

## 6.Threat Status:

IUCN:

**BSI:**

**7.Habit and Habitat:**Terrestrial in wide variety of forest types, usually in shade

**8.Life Form:**

**9.Economic Importance:**Pills prepared from leaves are taken for the treatment of fever following childbirth.

A paste of leaves is taken to treat rheumatic disease (Tanchangya)

**10. Probable Progenitor of:**

**11.DNA**

**C-value            Methodology**

**12.Basic chromosome number(s):** $x=40$  <sup>1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 13, 14, 15</sup>

**13. Zygotic chromosome number(s):** $2n=160$  <sup>9, 12</sup>

**14. Gametic chromosome number(s):** $n=40$  <sup>1, 6, 7, 11, 13, 14, 15</sup> , <sup>80</sup> <sup>2, 3, 4, 5, 9, 10</sup>

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

Image file

**16.Ploidylevel:**Diploid (sexual) <sup>1,6, 7, 11, 13, 14, 15</sup>

Tetraploid (sexual) <sup>2, 3, 4, 5, 9, 10, 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** Diploid: 40 II<sup>1, 6, 7, 11, 13, 14, 15</sup>

Tetraploid: 80 II<sup>2, 3, 4, 5, 9, 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.):**