

1. Genus: *Phymatopteris* Pic. Ser.

2. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Polypodiaceae J. Presl & C. Presl
- Subfamily: Drynarioideae Crabb, Jermy & Mickel
- Genus: *Phymatopteris* Pic. Ser.

3. Species:

Global: Accepted (58), unassessed (14)

India: .

4. Taxonomic riddles:

5. Distribution:

Global:

India:

6. Habit and Habitat:

7. Economic Importance:

8. DNA content range:

Methodology

9. Basic chromosome number(s): $x=35^2, 36^1, 4, 5, 6, 7, 8, 9, 37^1, 10$

10. Zygotic chromosome number(s): $2n=70^2$

c.72^{2, 3, 6}

108³

140²

11. Gametic chromosome number(s): $n=36^{1, 4, 5, 6, 7, 8, 9, 11}$, $37^{1, 10}$

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/Neocentric chromosomes):

13. Ploidy level: Diploid (sexual) ^{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11}

Triploid ³

Tetraploid (aneuploid) ²

14. Nature of polyploidy (auto, segmental, allo, autoallo):

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

16. Karyograms:

Meiosis: ^{1, 4, 5, 6, 7, 8, 9, 10, 11}

17. Banding pattern(s):

bands¹²¹

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: