

Genus Datasheet

Datasheet No. P-030.006
(Family.Genus)

DBT- Network Programme

1. Genus: *Ceratopteris* Brong.

2. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Pteridaceae E.D.M. Kirchn
- Subfamily: Ceratopteridoideae (J. Sm.) R.M. Tryon
- Genus: *Ceratopteris* Brong.

3. Species:

Global:

India:.

4. Taxonomic riddles:

5. Distribution:

Global:

India:

6. Habit and Habitat:

7. Economic Importance:

8. DNA content range:

Methodology

2C (7.60 pg)¹³ Feulgen microdensitometry¹³

9. Basic chromosome number(s): $x=38^{4, 10}$, $39^{1, 3, 7, 8}$, $40^{6, 11, 12, 15}$

10. Zygotic chromosome number(s): $2n=78^1$, $80^{11, 12}$, $154^{7, 9}$, 156^7 ,

11. Gametic chromosome number(s): $n=38^{4, 10}, 39^1, 40^{6, 11, 12, 15}, 76^4,$
 $77^{2, 5, 7, 9}, 78^{3, 7, 8}, 80^{4, 14, 15}$

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

13. Ploidy level: Diploid (sexual)^{1, 4, 6, 10, 11, 12, 15}, Tetraploid (sexual)^{2, 3, 4, 5, 7, 8, 9, 14, 15}

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

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

16. Karyograms:

Meiosis:^{1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 14, 15}

17. Banding pattern(s):

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: