(Family.Genus)

1. Genus:*Osmunda*　L.

2. Systematic Position:
Christenhusz 2011
- Class: EquisetopsidaC.Agardh
- Subclass: PolypodiidaeCronquist, Takht. &Zimmerm.
- Order: Osmundales Link
- Family: OsmundaceaeMartinov
- Subfamily:
- Genus:*Osmunda* L.

3. Species:

　　　　　Global: Accepted (10), unassessed (54)

　　　　　India:.

4. Taxonomic riddles:[23]

5. Distribution:
　　　　　　　Global:

　　　　　India:

6. Habit and Habitat:

7.Economic Importance:

8. DNA content range: **Methodology**

2C (26.91-28.01pg)[1, 2]   Flow cytometry[1, 2]

9. Basic chromosome number(s):x=22[3, 4, 5, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25,] 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41

10. Zygotic chromosome number(s):2n=44[3, 4, 7, 8, 9, 12, 16, 19, 20, 21, 22, 24, 28, 29, 30, 31, 34, 35,]

11. Gametic chromosome number(s):n=22[4, 5, 6, 7, 10, 11, 12, 13, 14, 15, 17, 18, 22, 24, 25, 26, 27, 29,] 37, 38

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

13. Ploidy level: Diploid (sexual)[4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26,] 33, 34, 35, 36, 37, 38, 39, 40, 41

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

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

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship atChromosomal; DNAlevel: [23]

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: