

1. Genus: *Parthenium* L.**2. Systematic position:****APG IV (2016)**

- Kingdom:Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasteride
- Clade: Asterids
- Order: Asterales Link
- Family: Asteraceae Bercht. & J. Presl
- Genus: *Parthenium* L.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Gamopetalae
Series: Inferae
Cohors: Asterales Link
Ordo: CompositaeGiseke
Genus: *Parthenium* L.

3. Species:**Global:** 14**India:** 1**4. Taxonomic riddles:****5. Distribution:****Global:** Throughout the western hemisphere**India:** Weed throughout**6. Habit and Habitat:**Herb.**7. Economic Importance:****8. DNA content range:****Methodology****9. Basic chromosome number(s):****10. Zygotic chromosome number(s):** $2n=32^1$, $2n=34^{2-11}$, $2n=36^{12,13}$ **11. Gametic chromosome number(s):** $n=17^{6,14-17}$, $n=18^{13,18}$

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

13. Ploidy level:

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

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

16. Karyograms:

Meiosis: 6,13 -18

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at:

Chromosomal levelDNA level²¹

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: