

Genus Datasheet

Datasheet No. A-098.006
(family,genus,species)

DBT- Network Programme

1. Genus:*Bulbostylis* Kunth.

2. Systematic position:APG IV; Bentham and Hooker:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Poales Small
- Family: Cyperaceae Juss.
- Genus: *Bulbostylis* Kunth

Bentham and Hooker(1862)

Kingdom: Plantae
Division:Phanerogamia
Class: Monocotyledones
Series: Glumaceae
Ordo: Cyperaceae Juss.
Genus: *Bulbostylis* Kunth

3. Species:

Global:39

India: 10

4. Taxonomic riddles:

5. Distribution:

Global:Tropics and subtropics region, Tropical Africa, Asia and Australia

India:Assam, Kerala, Odisha, Madhya Pradesh and Tamil Nadu

6. Habit and Habitat:Herb

7.Economic Importance:

8. DNA content range:

2C:

4C:

Methodology

9. Basic chromosome number(s): $x=5^{1,3,6,7}$

10. Zygotic chromosome number(s): $2n=10^{1,2,7,8,9}20^172^184^1$

11. Gametic chromosome number(s): $n=5^{1,2,3,5,6,7,10}10^132^1$

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

13. Ploidy level: Diploid^{1,2,3,6}; Tetraploid¹; Hyperdodecaploid¹

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

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

16. Karyograms: Meiosis:

17. Banding pattern(s):

18. Physical mapping of chromosomes: GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution: Euploidy⁷

21. Linkage map: