

Genus Data Sheet

Datasheet No. A-098.030
(family,genus,species)

DBT- Network Programme

1. Genus:*Scirpus*L.

3. Systematic position:

APG IV (2016)

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

Bentham and Hooker (1862)

Kingdom: Plantae
Division:Phanerogamia
Class: Monocotyledones
Series: Glumaceae
Ordo: Cyperaceae Juss.
Genus: *Scirpus*L

3. Species:

Global:67

India: 12

4. Taxonomic riddles:

5. Distribution:

Global:Europe, Malaysia, E. Asia.Afghanistan, Bangladesh, Iran, Israel, South Africa, Mexico, Brazil, Netherlands, Australia and New Zealand

India:North India, Punjab,Assam, Punjab

6. Habit and Habitat:Herb

7.Economic Importance:

8. DNA content range:

Methodology

2C: 4C:

9. Basic chromosome number(s): $x=8^{1,2}10^5$

10. Zygotic chromosome number(s): $2n=31^336^7 37^340^{6,8}60^370^3$

11. Gametic chromosome number(s): $n=30^{4,5}49^{1,2}58^1$

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

13. Ploidy level:Tetradecaploid^{1,2}

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:

21. Linkage map:

22. Any other information: Five species have been done out of total Twelve as per APG-IV.