

Genus Data Sheet

Datasheet No. A-032.005
(family,genus,species)

DBT- Network Programme

1. Genus: *Hydrocharis* L

3. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Hydrocharitaceae Juss.
- Genus: *Hydrocharis* L.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Microspermae
Ordo: Hydrocharideae
Genus: *Hydrocharis* L

3. Species:

Global: 3

India: 1

4. Taxonomic riddles:

5. Distribution:

Global: Russian Far East to Tropical Asia

India: North and East India

6. Habit and Habitat: Aquatic Herb. Grows in ponds, lakes and streams

7. Economic Importance:

8. DNA content range:

Methodology

2C: 4C:

9. Basic chromosome number(s):

10. Zygotic chromosome number(s): $2n=16^{1,2,3,5}22^4$

11. Gametic chromosome number(s): $n=8^5$

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

13. Ploidy level:

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 atChromosomal; DNAlevel:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: