

Genus Data Sheet

Datasheet No. A-032.003
(family,genus,species)

DBT- Network Programme

1. Genus:*Halophila*Thouars

3. Systematic position:

APG IV (2016)

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

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Microspermae
Ordo: Hydrocharideae
Genus: *Halophila*Thouars

3. Species:

Global:20

India: 5

4. Taxonomic riddles:

5. Distribution:

Global:Tropical & Subtropical coasts

India:Andaman and Nicobar Island, South India

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6. Habit and Habitat:Submerged herb. Normally grows on coral sand or muddy sand

7.Economic Importance:*H. ovalis* used in fishing as a lure.

8. DNA content range:

Methodology

2C:

4C:

9. Basic chromosome number(s):

10. Zygotic chromosome number(s): $2n=18^1$

11. Gametic chromosome number(s):

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 at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: Only 1 (one) species has been completed out of 5 (five) species

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