

Species Datasheet

Datasheet No. A-032.003.004
(family.genus.species)

DBT- Networ

1.Taxon:

Species:*Halophila ovalis* (R. Br.) Hook.f.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. **Synonyms:** *Barkaniapunctata* Ehrenb., *Caulinia ovalis* R.Br., *Halophilajohnsonii* Eiseman, *H. kotschyana* Fenzl ex Asch., *H. kotschyanae* Fenzl ex Zanardini, *H. ovalis* subsp. *ovalis*, *Kernera ovalis* (R.Br.) Schult. & Schult.f.

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
- Species: *H. ovalis* (R. Br.) Hook.f.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Microspermae
Ordo: Hydrocharideae
Genus: *Halophila* Thouars
Species: *H. ovalis* (R. Br.) Hook.f.

4.Distribution:

Global: Red Sea to Madagascar and Pacific

India: Andaman and Nicobar Island, South India

5.Indigenous/Exotic/Endemic;Cultivated/Wild:

6.Threat Status:

IUCN: Least Concern

BSI:

7.**Habit and Habitat:** Submerged herb. It is common all around the coast on muddy shores and areas exposed at low tide.

8.**Life Form:** Helophytes

9.**Economic Importance:** This species is used in fishing as a lure.

10. Probable Progenitor of:

11.DNA

C-value

Methodology:

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s):

15.Specialized chromosomes (B chromosomes/Sex chromosomes/polytene chromosomes/Neocentric chromosomes):

Image file

16.Ploidy level:

Image file

17.Agametoploidy:

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

19.Genomic formula:

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

21.Somatic chromosomes:

Karyotype:

Chromosome size:

NOR chromosome(s):

Degree of asymmetry:

Image file

22. Banding pattern(s):

Image file

23. Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization

Image file

24.Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26.Chromosome associations:

Female meiosis:

Male meiosis:

Image file

27.Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level:

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocations etc):