

Species Datasheet

Datasheet No. A-032.006.001
(family.genus.species)

DBT- Networ

1.Taxon:

Species:*Nechamandraalternifolia*(Roxb. ex Wight) Thwaites

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. **Synonyms:***Lagarosiphonalternifolia* (Roxb. ex Wight) Druce, *L. alternifolius* (Roxb.) Druce, *L. roxburghii* (Planch.) Benth.,*Nechamandraroxburghii* Planch., *Vallisneriaalternifolia*Roxb. ex Wight, *V. alternifolia*Roxb.

3.Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Hydrocharitaceae Juss.
- Genus: *Nechamandra*Planch.
- Species:*N.alternifolia*(Roxb. ex Wight) Thwaites

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Microspermae
Ordo: Hydrocharideae
Genus: *Nechamandra*Planch.
Species:*N.alternifolia*(Roxb. ex Wight) Thwaites

4.Distribution:

Global:Bangladesh, China, India, Nepal, Sri Lanka, Myanmar, Vietnam

India:Throughout India

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

6.Threat Status:

IUCN: Least Concern

BSI

7.**Habit and Habitat:**Aquatic herb. Occurs in ponds, lakes and slow-moving rivers and channels.

8.**Life Form:**Hydrophytes

9.**Economic Importance:**Used in aquariums

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):