

Final Species Datasheet

Datasheet No. A-032.005.001
(family.genus.species)

DBT- Networ

1.Taxon:

Species:*Hydrocharisdubia*(Blume) Backer

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. **Synonyms:***Boottiarenilifolia*Merr.,*Hydrocharisasiatica*Miq., *H. cellulosa*Buch.-Ham. exPrain, *H. morsus-ranae* var. *asiatica* (Miq.) Makino, *H. parnassiiifolia*Hallier f., *H. parvula*Hallier f., *Limnobiumdubium* (Blume) Shäffer-Fehre, *Monochoriadubia* (Blume) Miq., *Pontederiadubia*Blume

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.
- Species:*H.dubia*(Blume) Backer

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Microspermae
Ordo: Hydrocharideae
Genus: *Hydrocharis*L.
Species:*H.dubia*(Blume) Backer

4.Distribution:

Global: Russian Far East to Tropical Asia

India: North and East India

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

6.Threat Status:

IUCN: Least Concern

BSI:

7.**Habit and Habitat:**Aquatic Herb. Grows in ponds, lakes and streams of lowlands.

8.**Life Form:**Hydrophytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-valueMethodology:

12.Basic chromosome number(s):

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

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

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:Mostly metacentric and Sub telocentric¹

Chromosome size:Small size¹

NOR chromosome(s):

Degree of asymmetry: Asymetrical¹

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):