

Genus Datasheet

Datasheet No. A-030.003
(Family.Genus)

DBT- Network Programme

1. Genus: *Limnophyton* Miq.

2. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Alismataceae Vent.
- Genus: *Limnophyton* Miq.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Apocarpae
Ordo: Alismaceae
Genus: *Limnophyton* Miq.

3. Species:

Global: 3

India: 1

4. Taxonomic riddles:

5. Distribution:

Global: Widespread in Africa, also found in India, Pakistan, Sri Lanka, Myanmar, Vietnam and Malaysia

India: Peninsular to North & East India

6. Habit and Habitat: Aquatic or marshy Herb

7. Economic Importance: Aqueous extract of *Limnophyton obtusifolium* possesses anti-ulcer activity.

8. DNA content range:

2C

4C

Methodology

9. Basic chromosome number(s): $x=12^{10}$

10. Zygotic chromosome number(s): $2n=22^{1,3,4,5,6,7}$ $2n=24^{2,7,8}$

11. Gametic chromosome number(s): $n=11^{1,3}$ $n=12^8$

**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:^{1,3,7}

Meiosis:^{1,3,8}

17. Banding pattern(s):

18. Physical mapping of chromosomes:GISH:

19. Phylogenetic relationship at Chromosomal; DNA level: DNA level^{9,11,12}

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: