

Species Datasheet

Datasheet No. A-377.025.021
(family.genus.species)

DBT- Network Program

1. Taxon:

Species: *Hygrophila triflora* (Roxb.) Fosberg & Sachet

Subspecies

Variety

Hybrid

Image file

2. **Synonyms:** *Adenosma uliginosa* Nees, *Cardanthera difformis* (L.f.) Druce, *C. glutinosa* Buch.-Ham. ex Nees, *C. triflora* (Roxb.) Buch.-Ham. ex Voigt

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasterids
- Clade: Asterids
- Order: Lamiales Bromhead
- Family: Acanthaceae Juss.
- Genus: *Hygrophila* R.Br
- Species: *H. triflora* (Roxb.) Fosberg & Sachet

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Gamopetalae
- Series: Bicarpellatae
- Cohors: Personales
- Ordo: Acanthaceae Juss.
- Genus: *Hygrophila* R.Br
- Species: *H. triflora* (Roxb.) Fosberg & Sachet

4. Distribution:

Global: India, Malaysia, Myanmar and South Asia

India: Kerala, East & North East India

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Herb.

8. **Life Form:** Hydrophytes

9. **Economic Importance:**

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 etc):**

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, aneusomy, polysomy):

21. Somatic chromosomes:

Karyotype

Chromosome size

NOR chromosome(s)

Degree of aneuploidy:

Image

22. Banding pattern(s):

Image file

23. Physical mapping of chromosomes: GISH.

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

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

DNA level

29. References: