

Species Datasheet

Datasheet No. A-377.025.015
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species:
Subspecies
Variety: *Hygrophila ringens* var. *assurgens* Karthik. & Moorthy
Cultivar
Hybrid
Image file

2. Synonyms: *Hygrophila angustifolia*

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. ringens*(L.) R. Br. ex Spreng.
- Variety: *H. ringens* var. *assurgens* Karthik. & Moorthy

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. ringens*(L.) R. Br. ex Spreng.
- Variety: *H. ringens* var. *assurgens* Karthik. & Moorthy

4. Distribution:

Global: India and Indo Malaysia.

India: Eastern India

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb. Found in moist areas.

8. Life Form: Chamaephytes

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, aneusomaty, polysomaty):

21.Somatic chromosomes:

Karyotype

Chromosome size

NOR chromosome(s)

Degree of asymmetry:

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: Govindarajan, T and Subramaniam. D. 1983. Karyomorphological Studies in South Indian Acanthaceae *Cytologia* **48:491-504.**

30.Any other information: