

Species Datasheet

Datasheet No. A-377.025.016
(family.genus.species)

DBT- Network Programme

-

1.Taxon:

Species:

Subspecies

Variety: *Hygrophila ringens* var. *cochinensis*(Remadevi & Binojk.) Karthik. & Moorthy

Cultivar

Hybrid

Image file

2. Synonyms:*Hygrophila salicifolia* var. *cochinensis* Remadevi & Binojk.

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. *cochinensis* (Remadevi & Binojk.) Karthik. & Moorthy

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. *cochinensis* (Remadevi & Binojk.) Karthik. & Moorthy

4.Distribution:

Global:India

India:Kerala

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

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-valueMethodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s):

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytenechromosomes/ 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: