

Species Datasheet

Datasheet No. P-017.003.005

(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Marsilea coromandeliana* auctt. (unresolved)

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:Nil

3.Systematic Position: Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Salviniales Bartl. in Mart
- Family: Marsiliaceae Mirb. in Lamb & Mirb.
- Subfamily:
- Genus: *Marsilea* L.
- Species: *Marsilea coromandeliana* auctt. (unresolved)
- Subspecies:

4.Distribution:

Global:

India: South India (Trivandrum)

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Grows on low lying places flooded during monsoon and dried afterwards

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=21^{3,4}$

13. Zygotic chromosome number(s): $2n=42^{3,4}$

14. Gametic chromosome number(s): $n=21^{3,4}$

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16.Ploidylevel:Diploid (aneuploid, sexual) ^{3,4}

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 asymmetry

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 21II^{3, 4}

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; Translocation etc.):