

Species Data Sheet

DBT- Network Programme

Datasheet No. A-098.009.111
(family.genus.species)

1. Taxon: *Fimbristylis* Vahl

Species: *Fimbristylis umbellaris* (Lam.) Vahl (Accepted Name)

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Dichostylis torresiana* Gaudich., *Fimbristylisefoliata* Steud., *Fimbristylis globulosa* (Retz.) Kunth, *Fimbristylis globulosa* var. *austrojaponica* Ohwi, *Fimbristylis globulosa* var. *torresiana* (Gaudich.) C.B. Clarke, *Fimbristylis globulosa* var. *vicaryi* C.B. Clarke, *Fimbristylis hypsocolea* Hosok., *Fimbristylis torresiana* Gaudich., *Fimbristylis umbellaris* var. *vicaryi* (C.B. Clarke) Karthik., *Fimbristylis utilis* Elmer, *Irioglobulosa* (Retz.) Kuntze, *Scirpus globulosus* Retz., *Scirpus umbellaris* Lam., *Trichelostylis globulosa* (Retz.) Nees

3. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Poales Small
- Family: Cyperaceae Juss.
- Genus: *Fimbristylis* Vahl
- Species: *F. umbellaris*

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Glumaceae
Ordo: Cyperaceae Juss.
Genus: *Fimbristylis* Vahl
Species: *F. umbellaris*

4. Distribution:

Global: Europe, Indo-Malesia, China and Japan.

India: Assam, Odisha, Punjab.

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb

8. Life Form: Annual

9. Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value

Methodology:

12.Basic chromosome number(s): $x=3^{38}$

13. Zygotic chromosome number(s): $2n=6^{8,20,40,44}10^1$

14. Gametic chromosome number(s): $n=3^{8,20,40,44}5^1$

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

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):Aneuploidy²³

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:

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):