Species Data Sheet

Datasheet No. A-098.009.077 **DBT- Network Programme**
(family.genus.species)

1.Taxon:*Fimbristylis* Vahl
Species:*Fimbristylis polytrichoides*(Retz.) Vahl
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms:*Abildgaardiajavana* Nees, nom. inval.,*Abildgaardiajavanica* Steud., *Aplostemonpolytrichoides*(Retz.) Raf.,*Fimbristylis albescens* Steud., *Fimbristylis juncea* Boeckeler, nom. illeg., *Fimbristylis polytrichoides var. takaoensis* (Hayata) T.Koyama, *Fimbristylis subbulbosa* Boeckeler, *Fimbristylis takaoensis* Hayata, *Iriapolytrichoides* (Retz.) Kuntze, *Scirpuspolytrichoides* Retz.

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. polytrichoides*

Bentham and Hooker (1862)
Kingdom: Plantae
Division:Phanerogamia
Class: Monocotyledones
Series: Glumaceae
Ordo: Cyperaceae Juss.
Genus: *Fimbristylis* Vahl
Species: *F.polytrichoides*

4.Distribution:

Global: Tropical Africa and Asia.

India: Jammu-Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Tamil Nadu and Uttar Pradesh.

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

6.Threat Status:

IUCN: Least Concern

BSI:

7.Habit and Habitat: Herb

8.Life Form: Perennial

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value **Methodology:**

12.Basic chromosome number(s):x=5[7,13]

13. Zygotic chromosome number(s):2n=10[37]20[6,7,13]

14. Gametic chromosome number(s):n=5[10,13]10[6,7]

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

Image file

16.Ploidy level: Diploid[6,13], Tetraploid[7]

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: Mostly metacentric and submetacentric[7]

Chromosome size:small size[7]

NOR chromosome(s):2NOR[7]

Degree of asymmetry: Symmetrical

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: $10II^{6,7,45}$; $9II+2I^{7}$

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;Translocationsetc):