

# Species Data Sheet

DBT- Network Programme

Datasheet No. A-098.009.012  
(family.genus.species)

## 1. Taxon: *Fimbristylis* Vahl

Species: *Fimbristylis argentea* (Rottb.) Vahl (Accepted Name)

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Aplostemontriquetrus* Raf., *Fimbristylis monandra* (Rottb.) F. Muell., *Iriamonandra* (Rottb.) Kuntze, *Iriamuelleriana* Kuntze, *Scirpus argenteus* Rottb., *Scirpus monander* Rottb., *Scirpus nanus* Poir.

## 3. Systematic position:

### Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledones

Series: Glumaceae

Ordo: Cyperaceae Juss.

Genus: *Fimbristylis* Vahl

Species: *F. argentea*

### APG IV (2016)

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

## 4. Distribution:

**Global:** Malaysia, Bangladesh and Sri Lanka

**India:** Assam, Meghalaya and Uttar Pradesh

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

## 6. Threat Status:

IUCN: Least Concern

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):**  $x=5^2$

**13. Zygotic chromosome number(s):**  $2n=20^{1,2,3,4,8}$

**14. Gametic chromosome number(s):**  $n=10^{2,8,20}$

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

Image file

**16. Ploidy level:** Tetraploid<sup>2,20</sup>

Image file

**17. Agamete ploidy:**

**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:**

Image file

**27. Chromosome distribution at anaphase I:  $10:10^2$**

**28. Genetic diversity:**

**Chromosomal level:**

Image file

**DNA level**

**29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc): Pollen mitosis:  $(n=10)^2$**