

# Species Datasheet

Datasheet No. A-078.010.014  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Murdannia lanceolata* (Wight) Kammathy

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. **Synonyms:** *Aneilema koenigii* Wall. ex C.B.Clarke, *Commelina koenigii* Steud., *Dichospermum lanceolatum* Wight, *Murdannia koenigii* (Wall. ex C.B.Clarke) G.Brückn., *Phaeneilema koenigii* (Wall. ex C.B.Clarke) G.Brückn.

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Clade: Commelinids
- Order: Commelinales Mirb. ex Bercht. & J. Presl
- Family: Commelinaceae Mirb.
- Genus: *Murdannia* Royle
- Species: *M. lanceolata* (Wight) Kammathy

### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Coronarieae  
Ordo: Commelinaceae Mirb.  
Genus: *Murdannia* Royle  
Species: *M. lanceolata* (Wight) Kammathy

## 4. Distribution:

**Global:** India, Sri Lanka

**India:** Kerala, Tamil Nadu

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

## 6. Threat Status:

IUCN: Vulnerable

BSI

7. **Habit and Habitat:** Herb, grasslands, very rarely along the forest margins, grassy slopes and wet places.

## 8. Life Form:

## 9. Economic Importance:

## 10. Probable Progenitor of:

## 11. DNA

**C-value Methodology:**

**12. Basic chromosome number(s):**

**13. Zygotic chromosome number(s):**

**14. Gametic chromosome number(s):**

**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, aneusomaty, polysomaty):**

**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; Translocations etc):**