Species Data Sheet

Datasheet No. A-078.010.016
(family.genus.species)

DBT- Network Programme

1.Taxon:
Species**:***Murdannialoriformis*(Hassk.) Rolla Rao &Kammathy.
Subspecies**:**
Variety**:**
Cultivar**:**
Hybrid**:**
Image file

2. Synonyms:*Aneilema angustifolium* N.E.Br.**,** *A. loriforme* Hassk.**,** *A. nudiflorum* var. *rigidior* Benth.,*A. nudiflorum* var. *terminale* (Wight) C.B.Clarke,*A. terminale* Wight,*Murdannia angustifolia* (N.E.Br.) H.Hara,*M. malabarica* var. *terminalis* (Wight) Santapau&S.K.Jain

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Clade: Commelinids
- Order: CommelinalesMirb. exBercht. & J. Presl
- Family: Commelinaceae Mirb.
- Genus: *Murdannia* Royle
- Species: *M. loriformis* (Hassk.) R.S.Rao &Kammathy

Bentham and Hooker (1862)
Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Coronarieae
Ordo: Commelinaceae Mirb.
Genus: *Murdannia* Royle
Species: *Mloriformis* (Hassk.) R.S.Rao&Kammathy

4.Distribution:

Global: Bangladesh, China,Tibet, Taiwan, India, Malaysia, Jawa, Sri Lanka, Philippines,Vietnam

India: Karnataka, Kerala,Maharashtra, Tamil Nadu

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

6.Threat Status:

IUCN:

BSI

7.Habit and Habitat: Herb. Found in shades, seasonal species from low to medium land, along the forest margin, roadside ditches, partial to full shaded habitat.

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):2n=39[15]40[1,8,15]

14. Gametic chromosome number(s):n=20[1,3,8]

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): Euploidy[2]

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.Genomicin situ hybridization:

Image file

25. Linkage map:

Image file

26.Chromosome associations:

Female meiosis:

Male meiosis: $10II^{3}$, $20II^{24}$

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.):