

Species Data Sheet

Datasheet No. A-078.010.015
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Murdannia lanuginosa* (Wall. ex C.B. Clarke) G.Brückn.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. **Synonyms:** *Aneilema lanuginosum* Wall. ex C.B. Clarke, *A. sienneum* Blatt., *Commelina lanuginosa* B. Heyne ex Hook. f., *Murdannia siennea* (Blatt.) Raizada, *Phaeneilema lanuginosum* (Wall. ex C.B. Clarke) G.Brückn., *P. sienneum* (Blatt.) Raizada

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. lanuginosa* (Wall. ex C.B. Clarke) G.Brückn.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Coronarieae
Ordo: Commelinaceae Mirb.
Genus: *Murdannia* Royle
Species: *M. lanuginosa* (Wall. ex C.B. Clarke) G.Brückn.

4. Distribution:

Global: India

India: Goa, Karnataka, Kerala, Maharashtra, Tamil Nadu

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

6. Threat Status:

IUCN: not been assessed yet

BSI

7. **Habit and Habitat:** Herb. Found in Mediterranean forest, woodlands and scrub, fully exposed at higher elevation

8. **Life Form:** Tuberous geophytes

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): $n=10^4$

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; Translocation etc.):