Species Datasheet

Datasheet No. A-044.001.009
(family.genus.species)

DBT- Network Programme

-

1. Taxon:

Species *Burmannia wallichii* (Miers) Hook. f.
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms: *Burmannia griffithii* Becc., *Gonianthes wallichii* Miers

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Dioscoreales Mart.
- Family: Burmanniaceae Blume
- Genus: *Burmannia* L
- Species: *B. wallichii* (Miers) Hook. f.

Bentham and Hooker (1862)
Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Microspermae
Ordo: Burmanniaceae Blume
Genus: *Burmannia* L.
Species: *B. wallichii* (Miers) Hook. f.

4. Distribution:

Global: Burma, China, India, Japan, Malaysia and Thailand.

India: Kerala, Tamil Nadu

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb. Grows in grassland.

8. Life Form: Chamaephytes

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C- value **Methodology**

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): 2n= 36 [7]

14. Gametic chromosome number(s): n= 16 [7]

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):