

Species Datasheet CalU+SUK-Phase I

Datasheet No. A-087.003.001
(family.genus.species)

DBT- Network Programme

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1. Taxon:

Species: *Schumannianthus benthamianus* (Kuntze) Veldkamp & I.M.Turner

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Arundastrum benthamianum* Kuntze, *Clinogyne dichotoma* Salisb., *Maranta dichotoma* Wall., *Phrynium dichotomum* Roxb., *Schumannianthus dichotomus* Gagnep., *Thalia dealbata* hort. ex Link, *T. dichotoma* Roxb. ex Link

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Zingiberales Griseb.
- Family: Marantaceae R.Br.
- Genus: *Schumannianthus* Gagnep.
- Species: *S. benthamianus* (Kuntze) Veldkamp & I.M.Turner

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Epigynae
Ordo: Scitamineae
Genus: *Schumannianthus* Gagnep.
Species: *S. benthamianus* (Kuntze)
Veldkamp & I.M.Turner

4. Distribution:

Global: Bangladesh, Borneo, Cambodia, India, Malaya, Myanmar, Philippines, Thailand, Vietnam

India: Assam, East Himalaya, Western Ghat, West Bengal

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

6. Threat Status:

IUCN

BSI

7. Habit and Habitat: Shrub; typically found in muddy riparian areas

8. Life Form:

9. Economic Importance: The stems are used for making the Shital pati which is a traditional bed mat in Eastern India and Bangladesh

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):