Species Datasheet

Datasheet No. A-028.019.004 **DBT- Network Programme**
(family.genus.species)

1. Taxon:

Species *Sauromatum venosum* (Dryand. ex Aiton) Kunth
Subspecies
Variety
Cultivar
Hybrid
Image file

2. Synonyms: *Alocasia pedata* (Link & Otto) Raf., *Arisaema venosum* (Dryand. ex Aiton) Blume, *Arum clavatum* Desf., *A. fugax* Salisb., *A. guttatum* Wall., *A. pedatum* Link & Otto, *A. pedatum* Fisch. ex Spreng., *A. pedatum* Willd., *A. sessiliflorum* Roxb., *A. simlense* Engl., *A. venosum* Dryand. ex Aiton, *Desmesia venosum* (Dryand. ex Aiton) Raf., *Jaimenostia fernandopoana* Guinea & Gómez Mor., *Sauromatum abyssinicum* Schott, *S. angolense* N.E.Br., *S. guttatum* Schott, *S. guttatum* var. *pedatum* (Link & Otto) Engl., *S. guttatum* var. *pulchrum* (Miq.) Engl., *S. guttatum* var. *punctatum* (K.Koch) Engl., *S. guttatum* var. *sessiliflorum* (Roxb.) Engl., *S. guttatum* var. *simlense* (Schott) Engl., *S. guttatum* var. *venosum* (Dryand. ex Aiton) Engl., *S. nubicum* Schott, *S. nubicum* var. *angolense* (N.E. Br.) Engl., *S. pedatum* (Link & Otto) Schott, *S. pulchrum* Miq., *S. punctatum* K.Koch, *S. sessiliflorum* (Roxb.) Kunth, *S. simlense* Schott, *Typhonium venosum* (Dryand. ex Aiton) Hett. & P.C.Boyce

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Araceae Juss.
- Genus: *Sauromatum* Schott
- Species: *S. venosum* (Dryand. ex Aiton) Kunth

Bentham and Hooker (1862)
Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Nudiflorae
Ordo: Aroideae Arn.
Genus: *Sauromatum* Schott
Species: *S. venosum* (Dryand. ex Aiton) Kunth

4. Distribution:

Global: Tropical Africa to China (Yunnan)

India:

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

6. Threat Status:

IUCN: Least Concern

BSI:

7. Habit and Habitat: Herb, in shady places in upland

8. Life Form: Tuberous geophytes

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C- value	Methodology
4C (11.78±0.35pg) [1]	Feulgen cytophotometry [1]

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): 2n=18 [1]
2n=26 [2,4,5,6,7,8,9,10,11,12,13]
2n=32 [14,15]

14. Gametic chromosome number(s): n=13 [3]

15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16. Ploidy level: Diploid [13]

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: Majority metacentric chromosomes [1,13], Majority submetacentric chromosomes [8], Majority nearly metacentric chromosomes [11]

Chromosome size: Small to medium [11]

NOR chromosome(s): 6 NOR [11]

Degree of asymmetry: Symmetrical [1,8]

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):