

Species Datasheet

Datasheet No. A-377.037.011
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Thunbergia mysorensis* (Wight) T.Anderson

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Hexacentris mysorensis* Wight

3. Systematic Position:

Bentham and Hooker (1862)

- Kingdom: Plantae
 - Division: Phanerogamia
 - Class: Dicotyledons
 - Subclass: Gamopetalae
 - Series: Bicarpellatae
 - Cohors: Personales
 - Ordo: Acanthaceae Juss.
 - Genus: *Thunbergia* Retz.
 - Species: *T. mysorensis* (Wight) T.Anderson
- APG IV (2016)
 - Kingdom: Plantae
 - Clade: Angiosperms
 - Clade: Eudicots
 - Clade: Superasterids
 - Clade: Asterids
 - Order: Lamiales Bromhead
 - Family: Acanthaceae Juss.
 - Genus: *Thunbergia* Retz.
 - Species: *T. mysorensis* (Wight) T.Anderson

4. Distribution:

Global: India, Sri Lanka, Costa Rica, New Caledonia, Mauritius, and Colombia

India: Peninsular India

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Climber. Found in evergreen and semi-evergreen forest.

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):

14. Gametic chromosome number(s): n=14¹⁶

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

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stain ability; Translocations etc):