

Species Datasheet

Datasheet No. A-377.010.022
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Strobilanthescampanulata*Wight
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms:

Nilgirianthuscampanulatus(Wight) Bremek.,*Strobilanthesinvolucratus* Blume,*S.heyneanavar. campanulata*(Wight) C.B. Clarke,*S. lupulinus*T.Anderson,*Ruellialupulinus*Wall

3. Systematic Position:

APG IV (2016)

• Kingdom: Plantae

• Clade: Angiosperms

• Clade: Eudicots

• Clade:Superasterids

• Clade: Asterids

• Order: LamialesBromhead

• Family: Acanthaceae Juss.

• Genus: *Strobilanthes*Blume

• Species: *S. campanulatus*Wight

Bentham and Hooker(1862)

• Kingdom: Plantae

• Division:Phanerogamia

• Class: Dicotyledons

• Subclass: Gamopetalae

• Series: Bicarpellatae

• Cohors: Personales

• Ordo: Acanthaceae Juss.

• Genus: *Strobilanthes*Blume

• Species: *S. campanulatus*Wight

4. Distribution:

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Global:

India and Sri Lanka.

India:

Chhattisgarh, Karnataka, Madhya Pradesh.

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

Wild

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat:

Shrub. Moist hill forest

8. Life Form:

Chamephytes

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):

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):