

Species Datasheet

Datasheet No. A-377.004.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Asystasiella neesiana* (Wall.) Lindau

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Asystasia neesiana* (Wall.) Nees, *Mackaya neesiana* (Wall.) Das, *Ruellia neesiana* Wall.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Asterids
- Order: Lamiales Bromhead
- Family: Acanthaceae Juss.
- Genus: *Asystasiella* Lindau
- Species: *A. neesiana* (Wall.) Lindau

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Gamopetalae
- Series: Bicarpellatae
- Cohors: Personales
- Ordo: Acanthaceae Juss.
- Genus: *Asystasiella* Lindau
- Species: *A. neesiana* (Wall.) Lindau

4. Distribution:

Global: China, India, Malaysia, Taiwan, Vietnam,

India: North-East India

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Herb, Evergreen broad-leaved forests, moist banks, streamsides, disturbed sites, ditches.

8. **Life Form:** Chamaephytes

9. **Economic Importance:** This species is used medicinally.

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):