

Genus Datasheet

Datasheet No. A-377.004
(Family: Genus)

DBT- Network Programme

1. Genus: *Asystasiella* Lindau

2. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Asterids
- Order: Lamiales Bromhead
- Family: Acanthaceae Juss.
- Genus: *Asystasiella* Lindau

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Gamopetalae
- Series: Bicarpellatae
- Cohors: Personales
- Ordo: Acanthaceae Juss.
- Genus: *Asystasiella* Lindau

3. Species:

Global: 4

India: 2

4. Taxonomic riddles: No

5. Distribution:

Global: India, Kenya, Myanmar, Taiwan, Tanzania, and Vietnam.

India: North-East India.

6. Habit and Habitat: Herb and found in evergreen forests.

7. Economic Importance: *A. neesiana* is used medicinally.

8. DNA content range:

2C

4C

Methodology:

9. Basic chromosome number(s):

10. Zygotic chromosome number (s): not reported

11. Gametic chromosome number (s): not reported

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytenechromosomes/ Neoc chromosomes):

13. Ploidy level:

14. Nature of polyploidy (auto, segmental, allo, autoallo):

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

16. Karyograms:

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: