

Genus Datasheet

Datasheet No. A-377.006
(Family: Genus)

DBT- Network Programme

1. Genus: *Clinacanthus* Nees

2. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Asterids
- Order: Lamiales
- Family: Acanthaceae Juss.
- Genus: *Clinacanthus* Nees

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Gamopetalae
- Series: Bicarpellatae
- Cohors: Personales
- Family: Acanthaceae Juss.
- Genus: *Clinacanthus* Nees

3. Species:

Global: 2

India: 1

4. Taxonomic riddles:

5. Distribution:

Global: China, India, Borneo, Java, Maluku Islands

India: Tamil Nadu

6. **Habit and Habitat:** Erect shrub found in evergreen forests.

7. **Economic Importance:** Very important to the medicinal uses and herbal products.

8. DNA content range:

2C

4C

Methodology:

9. Basic chromosome number(s)

10. **Zygotic chromosome number (s):**

11. **Gametic chromosome number (s):**

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: