

Genus Datasheet

Datasheet No. A-377.022
(Family: Genus)

DBT- Network Programme

1. Genus: *Gymnostachyum* Nees

2. Systematic position:

APG IV (2016)

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

Bentham and Hooker (1862)

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

3. Species:

Global: 50

India: 10

4. Taxonomic riddles: Yes¹

5. Distribution:

Global: Assam, Bangladesh, China, India, Jawa, Laos, Malaya, Myanmar, Philippines, Sri Lanka, Sumatera, Thailand, Vietnam

India: North East India, Western Ghats.

6. Habit and Habitat: Herb or shrub. Found in evergreen forests.

7. Economic Importance:

8. DNA content range:

2C

4C

Methodology:

9. Basic chromosome number(s):

10. Zygotic chromosome number (s):

11. Gametic chromosome number (s): $n=28^1$
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: Meiosis:
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: