

Genus Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-018.009
(Family:Genus)

DBT- Network Programme

1. **Genus:***Goniothalamus* (Blume) Hook.f. & Thomson

2. **Systematic position:**

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Magnolids
- Order: Magnoliales Juss.
- Family: Annonaceae Juss.
- Genus:*Goniothalamus* (Blume) Hook.f. & Thomson

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Thalamiflorae
- Cohors: Ranales
- Ordo: Annonaceae Juss.
- Genus: *Goniothalamus* (Blume) Hook.f. & Thomson

3. **Species:**

Global: 115

India: 12

4. **Taxonomic riddles:**

5. **Distribution:**

Global: Bangladesh, Bismarck Archipelago, Borneo, Cambodia, Caroline Island, China South-Central, China Southeast, Fiji, Hainan, India, Jawa, Laos, Malaya, Maluku, Myanmar, New Caledonia, New Guinea, Philippines, Queensland, Solomon Island, Sri Lanka, Sulawesi, Sumatera, Thailand, Vietnam

India: Andaman and Nicobar, Assam, Karnataka, Kerala, Manipur, Meghalaya, Nagaland, Sikkim, Tamil Nadu

6. **Habit and Habitat:** Shrub or small tree

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): $n=8^1$

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/Neocentric 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 atChromosomal; DNAlevel: DNA level²

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: Total number of species with reports = 1/12