

Genus Datasheet

Datasheet No. A-018.015
(Family:Genus)

DBT- Network Programme

1. Genus:*Monoon* Miq.

2. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Magnolids
- Order: Magnoliales Juss.
- Family: Annonaceae Juss.
- Genus:*Monoon* Miq.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Thalamiflorae
- Cohors: Ranales
- Ordo: Annonaceae Juss.
- Genus:*Monoon* Miq.

3. Species:

Global: 71

India: 5

4. Taxonomic riddles:

5. Distribution:

Global: Bangladesh, Borneo, Cambodia, Caroline Island, Hainan, India, Java, Laos, Lesser Sunda Islands, Malaya, Myanmar, Nansei-shoto, New Guinea, Philippines, Queensland, Solomon Island, Sri Lanka, Sumatera, Thailand, Vietnam, Cameroon, Trinidad-Tobago

India: Throughout India

6. Habit and Habitat:Tree

7.Economic Importance:Used for timber and ornamental

8. DNA content range:

2C (2.24±0.04 pg)⁴

Methodology

Feulgen microdensitometry⁴

9. Basic chromosome number(s):

10. Zygotic chromosome number(s):2n=18^{1,3,4}; 2n=20²

11. Gametic chromosome number(s):n=7⁶

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 level⁶

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: Total number of species with reports = 5/5