

Genus Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-018.014
(Family.Genus)

DBT- Network Programme

1. Genus:*Miliusa* Lesch.ex A. DC.

2. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Magnolids
- Order: Magnoliales Juss.
- Family: Annonaceae Juss.
- Genus:*Miliusa* Lesch. ex A.DC.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Thalamiflorae
- Cohors: Ranales
- Ordo: Annonaceae Juss.
- Genus:*Miliusa* Lesch. ex A.DC.

3. Species:

Global: 40

India:21

4. Taxonomic riddles:

5. Distribution:

Global: Bangladesh, Borneo, Cambodia, China South-Central, China Southeast, East Himalaya, Hainan, India, Java, Laos, Lesser Sunda Island, Malaya, Myanmar, Nepal, New Guinea, Nicobar Island, Northern Territory, Philippines, Queensland, Sri Lanka, Sulawesi, Sumatera, Thailand, Vietnam

India: Maharashtra, Karnataka, Tamil Nadu, Assam, Arunachal Pradesh, West Bengal, Sikkim, Nagaland, Tripura, Bihar, Andaman and Nicobar

6. Habit and Habitat:Small tree or shrub; evergreen forests

7.Economic Importance:Employed in both traditional herbal uses and pharmacological medicines

8. DNA content range:

Methodology

2C

4C

9. Basic chromosome number(s):

10. Zygotic chromosome number(s): $2n=28^1$

11. Gametic chromosome number(s):

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 = 1/21