

Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-018.014.007
(family.genus.species)

DBT-1

1. Taxon:

Species: *Miliusa globosa* (A. DC.) Panigrahi & S.C. Mishra

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Guatteria globosa* A. DC., *Phaeanthus dioicus* (Roxb.) Kurz, *Uvaria dioica* Roxb.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Magnolids
- Order: Magnoliales Juss.
- Family: Annonaceae Juss.
- Genus: *Miliusa* Lesch. ex A. DC.
- Species: *M. globosa* (A. DC.) Panigrahi & S.C. Mishra

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.
- Species: *M. globosa* (A. DC.) Panigrahi & S.C. Mishra

4. Distribution:

Global: Bhutan, Bangladesh, Myanmar, Nepal

India: Andaman and Nicobar Islands, Arunachal Pradesh, Assam, Meghalaya, Nagaland, Sikkim, Tripura, West Bengal

5. Indigenous/Exotic/Endemic; Cultivated/Wild: Wild

6. Threat Status:

IUCN: Not evaluated

BSI

7. **Habit and Habitat:** Shrub or small deciduous tree; Hedges, thickets, scrub jungles of semi evergreen to deciduous forests at an altitude up to 1000 meters

8. **Life Form:** Phanerophyte

9. **Economic Importance:** Wood grayish white, hard used for making agricultural implements and other household purposes. Smell of bruised leaves is used by Daffias tribes for headache

10. Probable Progenitor of:

11. DNA

C-value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s):

15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16. Ploidy level:

Image file

17. Agametoploidy:

18. Nature of polyploidy (auto, segmental, allo, autoallo):

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

21. Somatic chromosomes:

Karyotype

Chromosome size

NOR chromosome(s)

Degree of asymmetry

Image file

22. Banding pattern(s):

Image file

23. Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization

Image file

24. Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26. Chromosome associations:

Female meiosis

Male meiosis

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocations etc):