

Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-018.014.020
(family.genus.species)

DBT-1

1.Taxon:

Species: *Miliusa velutina* (Dunal) Hook.f. & Thomson
Subspecies
Variety
Cultivar
Hybrid

Image file

2. **Synonyms:** *Guatteria velutina* A.DC., *G. villosa* G.Don, *Uvaria velutina* Dunal, *U. villosa* 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. velutina* (Dunal) Hook.f. & Thomson

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. velutina* (Dunal) Hook.f. & Thomson

4.Distribution:

Global: China, India, Laos, Malaysia, Myanmar, Nepal, Thailand, Vietnam

India: Andhra Pradesh, Assam, Bihar, Chhattisgarh, Jammu & Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Meghalaya, Odisha, Uttar Pradesh, West Bengal

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

6.Threat Status:

IUCN: Not evaluated

BSI

7.**Habit and Habitat:** Tree; deciduous forests, altitude of about 400-700 meters

8.**Life Form:** Phanerophyte

9.**Economic Importance:** Used in folk medicine

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):