

Final Species Datasheet JamU+CalU+SUK-Phase I

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Datasheet No. A-018.004.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Cananga odorata* (Lam.) Hook.f. & Thomson

Subspecies:

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Cananga odorata* var. *odorata*, *Cananga odorata* var. *velutina* (Blume) Koord. & Valetton

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Magnolids
- Order: Magnoliales Juss.
- Family: Annonaceae Juss.
- Genus: *Cananga* (DC.) Hook.f. & Thomson
- Species: *C. odorata* (Lam.) Hook.f. & Thomson

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Thalamiflorae
- Cohors: Ranales
- Ordo: Annonaceae Juss.
- Genus: *Cananga* (DC.) Hook.f. & Thomson
- Species: *C. odorata* (Lam.) Hook.f. & Thomson

4. Distribution:

Global: Myanmar, Indo-china, Thailand, Malesia 1

India: Cultivated throughout the India

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

6. Threat Status:

IUCN

BSI

7. **Habit and Habitat:** Tree

8. **Life Form:** Phanerophytes

9. **Economic Importance:** Yield an essential oil

10. **Probable Progenitor of:**

11.DNA

C-value

2C (1.6 pg)¹

Methodology

Feulgen microdensitometry¹

12.Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n = 16^{1,2}$

14. Gametic chromosome number(s):

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

Image file

16.Ploidy level: Diploid¹

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):