

Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-018.015.002
(family.genus.species)

DBT- 1

1.Taxon:

Species: *Monoon fragrans* (Dalzell) B.Xue & R.M.K.Saunders
Subspecies:
Variety:
Cultivar:
Hybrid

Image file

2. **Synonyms:** *Guatteria fragrans* Dalzell, *Polyalthia fragrans* (Dalzell) Bedd.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Magnoliids
- Order: Magnoliales Juss.
- Family: Annonaceae Juss.
- Genus: *Monoon* Miq.
- Species: *M.fragrans* (Dalzell) B.Xue & R.M.K.Saunders

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Thalamiflorae
- Cohors: Ranales
- Ordo: Annonaceae Juss.
- Genus: *Monoon* Miq.
- Species: *M.fragrans* (Dalzell) B.Xue & R.M.K.Saunders

4.Distribution:

Global: India

India: Maharashtra, Tamil Nadu and Kerala

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

6.Threat Status:

IUCN
BSI

7. **Habit and Habitat:** Tree; evergreen forests

8. **Life Form:** Phanerophyte

9. **Economic Importance:**

10. **Probable Progenitor of:**

11.DNA

C-value

Methodology

12. **Basic chromosome number(s):**

13. **Zygotic chromosome number(s):** $2n=20^2$

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):