

Final Species Datasheet JamU+CalU+SUK-PhaseI

Datasheet No. A-253.001.011
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species:*Dipterocarpus turbinatus* C. F. Gaertn.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:***Dipterocarpus laevis* Buch.-Ham., *D. mayapis* (Blanco) Blanco, *Mocanera mayapis* Blanco

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Clade: Rosids
- Clade: Malvids
- Order: Malvales Juss.
- Family: Dipterocarpaceae Blume
- Genus:*Dipterocarpus* C.F.Gaertn.
- Species:*D.turbinatus* C. F. Gaertn.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Thalamiflorae
- Cohors: Guttiferales
- Ordo:Dipterocarpaceae Blume
- Genus:*Dipterocarpus* C.F.Gaertn.
- Species:*D.turbinatus* C. F. Gaertn.

4. Distribution:

Global:Bangladesh, Cambodia, China,India, Laos, Myanmar, Sri Lanka, Thailand, Vietnam

India: Assam, Meghalaya, Manipur, Tripura, Mizoram

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

6. Threat Status:

IUCN: Vulnerable

BSI:

7. **Habit and Habitat:**Tree; Moist tropical evergreen forests on slopes and ridges of the hills at ca of 300 m

8. **Life Form:**Phanerophyte

9. **Economic Importance:**wood used for construction work. The wood oil is used for burning torches and for smearing on boats to prevent damage by molluscs. Main source of 'Gurjan oil'. Oleo-resin is used as an external application for ulcers, ringworms and other skin infections.

10. **Probable Progenitor of:**

11. DNA

C-value

Methodology

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

13. **Zygotic chromosome number(s):** $2n=20^4$

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):