

Final Species Datasheet JamU+CalU+SUK-PhaseI

Datasheet No. A-253.001.004
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Dipterocarpus gracilis* Blume

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Anisoptera palembanica* Miq., *Dipterocarpus andamanicus* (King) Tewary & A.K. Sarkar, *D. angustialatus* Heim, *D. bancanus* Burck, *D. fulvus* Blume, *D. hispidus* Fern.-Vill., *D. marginatus* Korth., *D. pilosus* Roxb., *D. schmidtii* Heim, *D. skinneri* King, *D. turbinatus* var. *andamanicus* King, *D. van-der-hoevenii* Koord. & Valet, *D. velutinus* S. Vidal, *D. vernicifluus* 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. gracilis* Blume

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. gracilis* Blume

4. Distribution:

Global: Bangladesh, India, Malaysia, Myanmar, Thailand

India: Andaman & Nicobar Islands, Arunachal Pradesh, Assam, Tripura

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

6. Threat Status:

IUCN: Vulnerable

BSI

7. Habit and Habitat: Tree; semi-evergreen and evergreen forest

8. Life Form: Phanerophyte

9. Economic Importance: Olea-resin used in folk medicine for treating urino-genital diseases and wood used in building construction and interior cabinet works

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):