Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-120.001.003
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species:*Dilleniabracteata*Wight. Hook. F. & Thomson
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms:*Dilleniarepanda*Roxb.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Order: Dilleniales
- Family: DilleniaceaeSalisb.
- Genus:*Dillenia*L.
- Species: *D. bracteata*Wight. Hook. F. & Thomson

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Thalamiflorae
- Cohors: Ranales
- Ordo: DilleniaceaeSalisb.
- Genus: *Dillenia*L.
- Species: *D. bracteata*Wight. Hook. F. & Thomson

4. Distribution:

Global: India

India: Andhra Pradesh, Karnataka, Kerala, Tamil Nadu

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

6. Threat Status:

IUCN: Not evaluated

BSI:

7. Habit and Habitat: Treeabout 30-60 ft tall; evergreen to semi evergreen forests, altitude up to 3300 ft.

8. Life Form: Phanerophyte

9. Economic Importance: Used in Siddha 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):