Species Datasheet

Datasheet No. A-076.008.002 **DBT- Network Programme**
(family.genus.species)

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1. Taxon:

Species : *Corypha umbraculifera* L.
Subspecies
Variety
Cultivar
Hybrid
Commonly known as 'talipot palm'.

Image file

2. Synonyms: *Bessia sanguinolenta* Raf., *Corypha guineensis* L.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Arecales Bromhead
- Family: Arecaceae Bercht. & J. Presl
- Subfamily: Coryphoideae Burnett
- Genus: *Corypha* L.
- Species: *C. umbraculifera* L.

Bentham and Hooker (1862)
Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Calycinae
Ordo: Palmae Juss.
Genus: *Corypha* L.
Species: *C. umbraculifera* L.

4. Distribution:

Global: India, Sri Lanka

India: Karnataka, Kerala, Maharashtra, Tamil Nadu

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

6. Threat Status:

IUCN: Data deficient

BSI:

7. Habit and Habitat: Solitary, robust, dark grey 10- 20 m tall tree; common in open area, evergreen forests at 50-1000 m elevation

8. Life Form: Phanerophyte

9. Economic Importance: Ornamental; sap of the inflorescence is used for making sugar; leaves are used for thatching, making fans, mats, umbrellas and tents; hard seeds are used like ivory to make beads, buttons, ornaments etc; also medicinally used like curing hot rheum, curing diarrhea etc.

10. Probable Progenitor of:

11. DNA

C- value **Methodology**

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): 2n=36[1, 2, 3]

14. Gametic chromosome number(s): n=18[1]

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 Majority metacentric to submetacentric chromosomes[3]

Chromosome size Small[3]

NOR chromosome(s) 6 NOR[3]

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 18II[1]

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):