

Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-018.016.002
(family.genus.species)

DBT- Networ

1.Taxon:

Species:*Orophea hexandra* Blume
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms:*Bocagea hexandra* (Blume) Blume, *Bocagea javensis* Spreng.

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Magnolids
- Order: Magnoliales Juss.
- Family: Annonaceae Juss.
- Genus:*Orophea* Blume
- Species: *O. hexandra* Blume

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Thalamiflorae
- Cohors: Ranales
- Ordo: Annonaceae Juss.
- Genus:*Orophea* Blume
- Species: *O. hexandra* Blume

4.Distribution:

Global: Myanmar, Indo-china to Myanmar

India: Andaman and Nicobar Islands

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

6.Threat Status:

IUCN

BSI

7.Habit and Habitat:Small tree;evergreen forests

8.Life Form:Phanerophytes

9.Economic Importance:Alkaloids are extracted from the bark. Wood used for packing and interior fishing

10. Probable Progenitor of:

11.DNA

C-value

Methodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=18^1$

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):