

Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-018.018.011
(family.genus.species)

DBT- 1

1.Taxon:

Species: *Uvarianarum*(Dunal) Blume

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. Synonyms: *Hexalobusjussiae*anusBaill., *Unonanarum*Dunal, *Uvanarum*(Dunal) Kuntze, *Uvariamalabarica*Oken.

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Magnolids
- Order: MagnolialesJuss.
- Family: AnnonaceaeJuss.
- Genus: *Uvaria*L.
- Species: *Uvarianarum*(Dunal) Blume

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Thalamiflorae
- Cohors: Ranales
- Ordo: AnnonaceaeJuss.
- Genus: *Uvaria*L.
- Species: *Uvarianarum*(Dunal) Blume

4.Distribution:

Global: India, Sri Lanka

India: Karnataka, Kerala, Tamil Nadu

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

6.Status:

IUCN

BSI

7.Habit and Habitat:Woody climber; Along rivers and streams from coastal areas to deciduous forests of low hills

8.Life Form:Phanerophyte

9.Economic Importance:An essential oil obtained from the roots is used in the treatment of various diseases

10. Probable Progenitor of:

11.DNA

C-value

Methodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=22^1$

14. Gametic chromosome number(s):

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16.Ploidy level:Diploid¹

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 chromosomes¹

Chromosome size

NOR chromosome(s): 4NOR¹

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):