

Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-018.018.006
(family.genus.species)

DBT- 1

1.Taxon:

Species: *Uvaria littoralis* (Blume) Blume
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms: *Guatteria cordata* Dunal, *Unona camphorata* Blanco, *U. littoralis* Blume, *Uva cordata* (Dunal) Kuntze, *U. microcarpa* (Champ. ex Benth.) Kuntze, *U. synsepala* (Miq.) Kuntze, *Uvaria acrantha* Miq., *U. badiiflora* Hance, *U. cordata* (Dunal) Alston, *U. dolichoclada* Hayata, *U. macchurei* Diels, *U. macrophylla* Roxb. ex Wall., *U. microcarpa* Champ. ex Benth., *U. obovatifolia* Hayata, *U. ovalifolia* Blume, *U. rufescens* A.DC., *U. sorzogonensis* C.Presl, *U. synsepala* Miq.

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Magnolids
- Order: Magnoliales Juss.
- Family: Annonaceae Juss.
- Genus: *Uvaria* L.
- Species: *U. littoralis* (Blume) Blume

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Thalamiflorae
- Cohors: Ranales
- Ordo: Annonaceae Juss.
- Genus: *Uvaria* L.
- Species: *U. littoralis* (Blume) Blume

4.Distribution:

Global: Bangladesh, Borneo, Cambodia, Hainan, India, Jawa, Laos, Lesser Sunda Island, Malaya, Maluku, Myanmar, New Guinea, Philippines, Solomon Island, Sri Lanka, Sulawesi, Sumatera, Thailand, Vietnam

India: Andaman and Nicobar Islands, West Bengal

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

6.Threat Status:

IUCN

BSI

7.Habit and Habitat: Large scandent shrub

8.Life Form: Phanerophyte

9.Economic Importance:

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 sub-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):