

Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-018.003.004
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species:*Artabotryshexapetalus*(L.f.) Bhandari.

Subspecies:

Variety

Cultivar

Hybrid

Image file

2. Synonyms:*Annona hexapetala* L. f., *A. uncinata* Lam., *Artabotrysodoratissimus* R. Br. ex Ker Gawl., *A. odoratissimus* Wight & Arn., *A. uncata* (Lour.) Baill., *A. uncinatus* (Lam.) Merr., *Unonauncata* (Lour.) Dunal, *U. uncinata* (Lam.) Dunal, *Uvaria esculenta* Roxb. ex Rottler, *U. odoratissima* Roxb., *U. uncata* Lour.

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Magnolids
- Order: Magnoliales Juss.
- Family: Annonaceae Juss.
- Genus: *Artabotrys* R.Br.
- Species: *A.hexapetalus*(L.f.) Bhandari.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Thalamiflorae
- Cohors: Ranales
- Ordo: Annonaceae Juss.
- Genus: *Artabotrys* R.Br.
- Species: *A.hexapetalus*(L.f.) Bhandari.

4.Distribution:

Global: Bangladesh, Borneo, Cambodia, China, Sri Lanka, Java, Laos, Malaya, Myanmar, Philippines, Sri Lanka, Sumatera, Taiwan, Thailand, Vietnam, Leeward Island, Samoa, Tonga, Trinidad-Tobago, Windward

India: South India

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

6.Threat Status:

IUCN

BSI

7.Habit and Habitat:Shrub with bushy habit

8.Life Form:Phanerophytes

9.Economic Importance:A decoction of the leaves is used as a treatment against cholera

10. Probable Progenitor of:

11.DNA

C-value

Methodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=16^1$; $2n=18^2$

14. Gametic chromosome number(s): $n=8^{3,4}$

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):