

Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-018.015.005
(family.genus.species)

DBT-1

1. Taxon:

Species: *Monoonsimiarum* (Buch.-Ham. ex Hook.f. & Thomson) B.Xue&R.M.K.Saunders

Subspecies:

Variety:

Cultivar:

Hybrid

Image file

2. **Synonyms:** *Guatteria fasciculata* Wall. ex Voigt, *G. simiarum* Buch.-Ham. ex Hook.f. & Thomson, *Polyalthiacheliensis* Hu, *P. simiarum* (Buch.-Ham. ex Hook.f. & Thomson) Hook.f. & Thomson, *P. simiarum* subsp. *cheliensis* (Hu) Bân, *P. simiarum* subsp. *cochinchinensis* Bân, *Unonasimiarum* (Buch.-Ham. ex Hook.f. & Thomson) Baill. ex Pierre

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Magnolids
- Order: Magnoliales Juss.
- Family: Annonaceae Juss.
- Genus: *Monoon* Miq.
- Species: *M. simiarum* (Buch.-Ham. ex Hook.f. & Thomson) B.Xue&R.M.K.Saunders

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Thalamiflorae
- Cohors: Ranales
- Ordo: Annonaceae Juss.
- Genus: *Monoon* Miq.
- Species: *M. simiarum* (Buch.-Ham. ex Hook.f. & Thomson) B.Xue&R.M.K.Saunders

4. Distribution:

Global: Bangladesh, Cambodia, India, Laos, Myanmar, Thailand, Vietnam

India: Assam, Orissa, Sikkim, West Bengal

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

6. Threat Status:

IUCN

BSI

7. Habit and Habitat: Tree

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):

14. Gametic chromosome number(s): $n=7^6$

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):