

Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-018.007.004
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Desmos dumosus*(Roxb.) Saff.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:***Dasymaschalon moniliferum* (Merr.) P.T.Li, *Desmos subbiglandulosus* (Miq.) Merr., *Oxymitra monilifera* Merr., *Unonadumosa* Roxb., *U.subbiglandulosa* Miq.

3.Systematic Position:

APG IV(2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Magnolids
 - Order: Magnoliales Juss.
 - Family: Annonaceae Juss.
 - Genus: *Desmos* Lour.
 - Species: *D.dumosus*(Roxb.) Saff.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Thalamiflorae
- Cohors: Ranales
 - Ordo: Annonaceae Juss.
 - Genus: *Desmos* Lour.
 - Species: *D.dumosus*(Roxb.) Saff.

4.Distribution:

Global:Bangladesh, Bhutan, China, India, Laos, Malaysia, Myanmar, Singapore, Thailand, Vietnam

India: Arunachal Pradesh, Assam, Mizoram, Tripura, West Bengal

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

6.Threat Status:

IUCN: Not evaluated

BSI

7.Habit and Habitat:Large woody climber;tropical and subtropical evergreen forests

8.Life Form:Phanerophytes

9.Economic Importance:Leaves and roots are used as medicine

10. Probable Progenitor of:

11.DNA

C-value

Methodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):

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):