

Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-018.007.001
(family.genus.species)

DBT- Network Programme

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1.Taxon:

Species: *Desmos chinensis* Lour.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Desmos chinensis* var. *brevifolius* (Teijsm. & Binn. ex Boerl.) Bân, *D.chinensis* var. *lawii* (Hook.f. & Thomson) Bân, *D. chinensis* var. *macropetalus* (Teijsm. & Binn. ex Boerl.) Bân, *Desmos lawii* (Hook.f. & Thomson) Saff.

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Magnolids
- Order: Magnoliales Juss.
- Family: Annonaceae Juss.
- Genus: *Desmos* Lour.
- Species: *D. chinensis* Lour.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Thalamiflorae
- Cohors: Raneles
 - Ordo: Annonaceae Juss.
 - Genus: *Desmos* Lour.
 - Species: *D. chinensis* Lour.

4.Distribution:

Global: Bangladesh, Borneo, Cambodia, China Southeast, East Himalaya, Hainan, India, Jawa, Laos, Lesser Sunda Island, Malaya, Myanmar, Nepal, Philippines, Sulawesi, Sumatera, Thailand, Vietnam, Brazil Northeast, Brazil Southeast, Brazil West-Central, Trinidad-Tobago

India: Andhra Pradesh, Assam, Kerala, Maharashtra, Meghalaya, Mizoram, Orissa, Sikkim, Tamil Nadu, West Bengal

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

6.Threat Status:

IUCN

BSI

7.Habit and Habitat:Shrub;tropical or subtropical forests

8.Life Form:Phanerophytes

9.Economic Importance:Decoction of roots is used for dysentery and vertigo

10. Probable Progenitor of:

11.DNA

C-value

Methodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=20^1$

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):