

Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-018.007.003
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Desmos cochinchinensis* Lour.

Subspecies

Variety:

Cultivar:

Hybrid

Image file

2. **Synonyms:** *Desmos cochinchinensis* var. *fulvescens* Bân, *D. cochinchinensis* var. *grandifolia* (Finet & Gagnep.) Ast

3.Systematic Position:

APG IV(2016)

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

Bentham and Hooker (1862)

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

4.Distribution:

Global: Cambodia, India, Laos, Malaya, Myanmar, Vietnam

India: Assam, Manipur

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

6.Threat Status:

IUCN

BSI

7.Habit and Habitat:Climber or scandent shrubs; evergreen forests

8.Life Form:Phanerophytes

9.Economic Importance:Used in folk-medicine

10. Probable Progenitor of:

11.DNA

C-value

Methodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=16^3$

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):