

Species Datasheet

Datasheet No. A-061.043.010
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Crepidium purpureum* (Lindl.) Szlach.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

[*Crepidium rizalense* \(Ames\) M.A.Clem. & D.L. Jones](#)

[*Malaxis liparidioides* Tang & F.T. Wang \[Illegitimate\]](#)

[*Malaxis purpurea* \(Lindl.\) Kuntze](#)

[*Malaxis rizalensis* Ames](#)

[*Microstylis liparidioides* Schltr. \[Unplaced\]](#)

[*Microstylis purpurea* Lindl.](#)

[*Microstylis wallichii* var. *biloba* King & Pantl.](#)

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link.
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Malaxideae
- Subtribe: Malaxidinae
- Genus: *Crepidium* Blume
- Species: *Crepidium purpureum* (Lindl.) Szlach.

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Epidendreae

Genus: *Crepidium* Blume

Species: *Crepidium purpureum* (Lindl.) Szlach.

4. Distribution:

Global: India (western and eastern Himalayas), Chinese Himalayas, Sri Lanka, Thailand, Laos, Vietnam, the Philippines and Taiwan at elevations around 700 to 800 m

India: Extends along Himalayas from Simla to Assam at low altitudes upto 1500m

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

6.Threat Status:

IUCN:

BSI:

8.Habit and Habitat: Miniature to small sized, warm growing terrestrial common on semiexposed gravely , exhibits lot of variability in flower colour

8.Life Form: Cryptophyte

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=21^{13}$

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

14. Gametic chromosome number(s): $n=21^{13}$

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16.Ploidy level: Diploid¹³

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 2111¹³

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; Translocation etc.):