

Species Datasheet

Datasheet No. A-061.048.042
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Dendrobium pachyphyllum* (Kuntze) Bakh.f

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Bolbodium pumilum (Kuntze) Brieger

Bolbodium pusillum (Blume) Rauschert

Callistapachyphylla Kuntze

Callistapumila Kuntze

Callistapusilla (Blume) Kuntze

Dendrobium borneense Finet

Dendrobium carnosum Teijsm. & Binn. [Illegitimate]

Dendrobium perpusillum N.P.Balakr.

Dendrobium pisibulbum Guillaumin

Dendrobium pumilum Roxb. [Illegitimate]

Dendrobium pusillum (Blume) Lindl. [Illegitimate]

Desmotrichum pumilum (Kuntze) A.D.Hawkes

Desmotrichum pusillum Blume

Flickingeriapumila (Kuntze) A.D.Hawkes

Pedilonum pachyphyllum (Kuntze) Brieger

Polystachyapumila (Kuntze) Kraenzl.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link.
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Malaxidinae
- Subtribe: Dendrobiinae
- Genus: *Dendrobium* Sw.
- Species: *Dendrobium pachyphyllum* (Kuntze) Bakh.f.

Bentham and Hooker(1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Epidendreae
Subtribus: Dendrobieae
Genus: *Dendrobium* Sw.
Species: *Dendrobium pachyphyllum* (Kuntze) Bakh.f.

4. Distribution:

Global:Bangladesh, India, Borneo, Cambodia, Jawa, Laos, Malaya, Myanmar, Sumatera, Thailand, Vietnam

India: Assam

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Epiphytic, up to 1000m.

8.Life Form:Phanerophyte

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=$

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

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

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;Translocationsetc.):**