

Species Datasheet

Datasheet No. A-061.048.027 DBT-Network Program
(family.genus.species)

1.Taxon:

Species: *Dendrobiummacrostachyum* Lindl.

Subspecies:

Variety:

Cultivar

Hybrid

Image File

2.Synonyms:

[*Callistamacrostachya* \(Lindl.\) Kuntze](#)

[*Callistastuartii* \(F.M.Bailey\) Kuntze](#)

[*Callistatrodon* \(Rechb.f. ex Lindl.\) Kuntze](#)

[*Dendrobiumgamblei* King & Pantl.](#)

[*Dendrobiumstuartii* F.M.Bailey](#)

[*Dendrobiumtetradon* Rechb.f. ex Lindl.](#)

[*Dendrobiumtetradon* var. *vanvuurenii* J.J.Sm.](#)

[*Dendrobiumviridicatum* Ridl.](#)

[*Dendrobiumwhiteanum* T.E.Hunt](#)

3. Systematic Position:

APG-IV (2016)

- Kingdom: Plantae
- Clade : Angiosperms
- Clade : Monocots
- Order: Asparagales Link.
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Malaxidinae
- Subtribe: Dendrobiniinae
- Genus: *Dendrobium* Sw.
- Species: *Dendrobium macrostachyum* Lindl.

Bentham and Hooker(1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonaceae
Series: Microspermae
Order: Orchideae
Tribe: Epidendreae
Subtributaries: Dendrobieae
Genus: *Dendrobium* Sw.
Species: *Dendrobium macrostachyum* Lindl.

4.Distribution:

Global: Bangladesh, eastern Himalayas, Maldives Islands, India, Nepal, western Himalayas, Sri Lanka, Myanmar, Thailand, Malaysia, Laos, Vietnam, Borneo, Java, Lesser Sunda Islands, Sumatra, Sulawesi and Queensland Australia

India: Arunachal Pradesh, Sikkim, West Bengal, Odisha, Uttarakhand, Goa, Karnataka, Maharashtra, Jharkhand

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

6. Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Pseudobulbous, hot growing epiphyte

8.Life Form: Phanerophyte

9. Economic Importance:

10. Probable progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=19, 15, 18, 60, 20^2$

13. Zygotic chromosome number(s): $2n=38, 15, 18, 60, 40^2$

14. Gametic chromosome number(s): $n=20^2$

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

Image File

16.Ploidy level: Diploid^{2, 15, 18, 60}

Image File

17.Agametoploidy:

18.Nature of polyploidy (auto, segmental, allo, autoallo):

19.Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

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; Translocation etc.):