

Species Datasheet

Datasheet No. A-061.048.019
(family.genus.species)

DBT- Networ

1. Taxon:

Species: *Dendrobiumchryseum* Rolfe

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

[*Aporumrivesii* \(Gagnep.\) Rauschert](#)

[*Callistaaurantiaca* Kuntze](#)

[*Dendrobiumaurantiacum* Rehb.f. \[Illegitimate\]](#)

[*Dendrobiumaurantiacum* var. *zhaojuense* \(S.C.Sun&L.G.Xu\) Z.H.Tsi](#)

[*Dendrobiumchryseum* var. *bulangense* G.X.Ma&G.J.Xu](#)

[*Dendrobiumclavatum* var. *aurantiacum* \(Kuntze\) Tang & F.T.Wang](#)

[*Dendrobiumflaviflorum* Hayata](#)

[*Dendrobiumrivesii* Gagnep.](#)

[*Dendrobiumtibeticum* Schltr.](#)

[*Dendrobiumzhaojuense* S.C.Sun&L.G.Xu](#)

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 chryseum* Rolfe

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Epidendreae
Subtribus: Dendrobieae
Genus: *Dendrobium* Sw.
Species: *Dendrobium chryseum* Rolfe

4. Distribution:

Global: Bangladesh, India, China South-Central, Laos, Myanmar, Nepal, Taiwan, Thailand, Vietnam, West Himalaya

India: Manipur, Meghalaya, Mizoram, Nagaland, Arunachal Pradesh, Sikkim, West Bengal

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Medium to large sized, cool to cold growing epiphyte or lithophyte

8.Life Form: Phanerophyte

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=19^{3, 8, 16, 19}$

13. Zygotic chromosome number(s): $2n=38^{3, 8, 16, 19}$

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

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

Image file

16.Ploidy level:Diploid^{3, 8, 16, 19}

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; Translocation etc.):