

Species Datasheet

Datasheet No. A-061.048.041
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Dendrobium ovatum* (L.) Kraenzl.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Callista ovata (L.) Kuntze

Cymbidium ovatum (L.) Willd.

Dendrobium chlorops Lindl.

Dendrobium ovatum (L.) Druce

Epidendrum ovatum L.

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 ovatum* (L.) Kraenzl.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Epidendreae
Subtribus: Dendrobieae
Genus: *Dendrobium* Sw.
Species: *Dendrobium ovatum* (L.) Kraenzl.

4. Distribution:

Global: India

India: Andhra Pradesh, Goa, Karnataka, Maharashtra, Kerala, Tamil Nadu, Gujarat

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

6. Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Miniature sized epiphyte

8.Life Form: Phanerophyte

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=19^{23}$, 20^{49}

13. Zygotic chromosome number(s): $2n=38^{23}$, 40^{49}

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

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

Image file

16.Ploidy level: Diploid^{23, 49}

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.):