

# Species Datasheet

Datasheet No. A-061.048.034  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

**Species:** *Dendrobiumnanum*Hook.f.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

## 2. Synonyms:

*Callistanana* (Hook.f.) Kuntze

*Dendrobiummabelae*Gammie

## 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 nanum* Hook.f.

### Bentham and Hooker(1862)

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

## 4. Distribution:

**Global:** India

**India:** Goa, Karnataka, Kerala, Maharashtra, Tamil Nadu

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

## 6. Threat Status:

**IUCN:**

**BSI:**

**7. Habit and Habitat:** Pseudo bulbous, miniature sized, cool growing epiphyte

**8.Life Form:**Phanerophyte

**9.Economic Importance:**

**10. Probable Progenitor of:**

**11.DNA**

**C-value          Methodology**

**12.Basic chromosome number(s):** $x=19^{22}$

**13. Zygotic chromosome number(s):** $2n=38^{22}$

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

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

Image file

**16.Ploidy level:**Diploid<sup>22</sup>

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.):**