

# Species Datasheet

Datasheet No. A-061.114.001  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

**Species:** *Papilionanthe biswasiana* (Ghose & Mukerjee) Garay

Subspecies:

Variety:

Cultivar

Hybrid

Image file

## 2. Synonyms:

*Aerides biswasiana* Ghose & Mukerjee

## 3. Systematic Position:

### APG IV (2016)

- Kingdom:
- Clade:
- Clade:
- Clade:
- Order:
- Family:
- Subfamily:
- Genus:
- Species:
- Subspecies:
- Variety:

### Bentham and Hooker(1862)

Kingdom:  
Division:  
Order:  
Class:  
Subclass:  
Order:  
Family:  
Subfamily:  
Genus:  
Species:  
Subspecies:  
Variety:

## 4. Distribution:

**Global:** South Yunnan, Myanmar, Thailand, Borneo, 1700-1900m

**India:** Eastern India

## 5. Indigenous/Exotic/Endemic; Cultivated/Wild:

## 6. Threat Status:

IUCN:

BSI:

**7. Habit and Habitat:** Epiphytic on tree trunks, 1700-1900m

**8.Life Form:** Herbaceous perennial

**9.Economic Importance:**

**10. Probable Progenitor of:**

**11.DNA**

**C-value            Methodology**

**12.Basic chromosome number(s):** $x=19^{6, 15}$

**13. Zygotic chromosome number(s):** $2n=38^{6, 15}$

**14. Gametic chromosome number(s):** $n=19^6$

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

Image file

**16.Ploidy level:** Diploid<sup>6, 15</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** 1911<sup>6</sup>

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.):**