

# Species Data Sheet

Datasheet No. A-078.012.004  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Cyanotisburmanniana* Wight

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Cyanotispapilionacea* var. *burmanniana* (Wight) C.B. Clarke

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Clade: Commelinids
- Order: Commelinales Mirb. ex Bercht. & J. Presl
- Family: Commelinaceae Mirb.
- Genus: *Cyanotis* D. Don.
- Species: *C. burmanniana* Wight

### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Coronarieae  
Ordo: Commelinaceae Mirb.  
Genus: *Cyanotis* D. Don.  
Species: *C. burmanniana* Wight

## 4. Distribution:

**Global:** India to Myanmar, Sri Lanka

**India:** Andhra Pradesh, Goa, Karnataka, Kerala, Maharashtra, Tamil Nadu.

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

## 6. Threat Status:

IUCN

BSI

7. Habit and Habitat: Herb. Grows on barren rock lithophytic, along sandy seashore.

8. Life Form: Chamaephytes.

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s):  $2n=24^{11,13}$

14. Gametic chromosome number(s):  $n=12^{3,11}$

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

Image file

16. Ploidy level:

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:  $12\text{II}^{11}$

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; Translocations etc):**