

# Species Datasheet

Datasheet No. A-078.001.017  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Commelina suffruticosa* Blume

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. **Synonyms:** *Commelina rugulosa* C. B. Clarke, *C. simsonii* C. B. Clarke, *Spathodithyros suffruticosus* (Blume) Hassk.

## 3. Systematic position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Commelinales Mirb. ex Bercht. & J. Presl
- Family: Commelinaceae Mirb.
- Genus: *Commelina* L.
- Species: *C. suffruticosa* Blume

### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Coronarieae  
Ordo: Commelinaceae Mirb.  
Genus: *Commelina* L.  
Species: *C. suffruticosa* Blume

## 4. Distribution:

**Global:** Bangladesh, East Himalaya, China, India, Myanmar, Malaya, Malesia Jawa, Nepal, Thailand

**India:** Assam, Bihar, Maharashtra, Madhya Pradesh, Meghalaya, Sikkim, West Bengal

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

## 6. Threat Status:

**IUCN:**

**BSI:**

7. **Habit and Habitat:** Herb; grows in seasonal pools, grasslands and exposed rocks, fully exposed to Sun, Tropical Dry Forest

8. **Life Form:** Hemicryptophyte

9. **Economic Importance:**

10. **Probable Progenitor of:**

**11.DNA**

**C-valueMethodology:**

**12.Basic chromosome number(s):**

**13. Zygotic chromosome number(s):** $2n=60^{8,18,19,32,34}64^{11}$

**14. Gametic chromosome number(s):** $n=30^{18,31,34,49}$

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

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**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:**Mostly submetacentric and subtelocentric<sup>11</sup>

**Chromosome size:**Medium size<sup>11</sup>

**NOR chromosome(s):**4 NOR<sup>11</sup>

**Degree of asymmetry:**Asymmetrical<sup>11</sup>

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; Translocations etc):**