

# Species Data Sheet

Datasheet No. A-078.012.005  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Cynotiscerifolia* Rolla Rao&Kammathy

Subspecies

Variety

Cultivar

Hybrid

Image file

## 2. Synonyms:

## 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: *Cynotis* D. Don.
- Species: *C.cerifolia* Rolla Rao&Kammathy

### Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledones

Series: Coronarieae

Ordo: CommelinaceaeMirb.

Genus: *Cynotis* D. Don.

Species: *C.cerifolia* Rolla Rao&Kammathy

## 4. Distribution:

**Global:** India

**India:** Western Ghats

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

## 6. Threat Status:

IUCN

BSI

## 7. Habit and Habitat: Herb. Grows on rocky slopes in evergreen forests near streams.

## 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):**  $2n=24^{13,14}$

**14. Gametic chromosome number(s):**  $n=12^{3,8}$

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

Image file

**16. Ploidy level:**

Image file

**17. Agamete ploidy:**

**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:**

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):**