

# Genus Data Sheet

Datasheet No. A-078.003

(Family.Genus)

DBT- Network Programme

1. Genus: *Dictyospermum* Wight

2. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Clade: Commelinids
- Order: Commelinales Mirb. ex Bercht. & J. Presl
- Family: Commelinaceae Mirb.
- Genus: *Dictyospermum* Wight

Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Coronarieae  
Ordo: Commelinaceae Mirb.  
Genus: *Dictyospermum* Wight

3. Species:

Global: 5

India: 2

4. Taxonomic riddles:

5. Distribution:

Global: Hainan to Tropical Asia

India: Andaman and Nicobar Islands, Chhattisgarh, Karnataka, Kerala, Tamil Nadu, Tripura.

6. Habit and Habitat: Herb. Grows along the forest margins, undergrowth of forests, water channels along the Ghats side.

7. Economic Importance:

8. DNA content range:

2C

4C

Methodology

9. Basic chromosome number(s):  $x=7^5$

**10. Zygotic chromosome number(s):**  $2n=28^{2,3,4,5,7,8}$

**11. Gametic chromosome number(s):**  $n=14^{1,4,6}$

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

**13. Ploidy level:**

**14. Nature of polyploidy (auto, segmental, allo, autoallo):**

**15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):**

**16. Karyograms:**

**Meiosis:**

**17. Banding pattern(s):**

**18. Physical mapping of chromosomes:GISH:**

**19. Phylogenetic relationship at Chromosomal; DNA level:**

**20. Cytogenetic mechanism (s) underlying evolution:**

**21. Linkage map:**

**22. Any other information:**