

Species Data Sheet

Datasheet No. A-078.003.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Dictyospermum ovalifolium* Wight

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Aneilemahallbergii* Blatt., *A. ovalifolium* (Wight) Hook.f. ex C.B. Clarke, *Dictyospermum wightii* Hassk., *Phaeneilemahallbergii* (Blatt.) Raizada

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: *Dictyospermum* Wight
- Species: *D. ovalifolium* Wight

Bentham and Hooker (1862)

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

4. Distribution:

Global: India, Sri Lanka, Malaysia, Burma, Java, Borneo.

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

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

6. Threat Status:

IUCN

BSI

7. **Habit and Habitat:** Herb. Found in undergrowth of forest; inland evergreen forests, on sandy loam and sandy places.

8. **Life Form:** Chamaephytes

9. **Economic Importance:**

10. **Probable Progenitor of:**

11. **DNA**

12. Basic chromosome number(s):

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

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

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:

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):