Species Data Sheet

Datasheet No. A-078.003.001 **DBT- Network Programme**
(family.genus.species)

1.Taxon:
Species: *Dictyospermummontanum* Wight
Subspecies
Variety
Cultivar
Hybrid
Image file

2. Synonyms:*Aneilemamontanum* (Wight) Thwaites, *A. montanum* (Wight) C.B. Clarke, *Commelinamontana* Steud.,*Tradescantiamontana* B.Heyne ex Wall., *T. paniculata* B.Heyne ex Roth

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. montanum* Wight

Bentham and Hooker (1862)
Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Coronarieae
Ordo: Commelinaceae Mirb.
Genus: *Dictyospermum* Wight
Species*: D. montanum* Wight

4.Distribution:

Global: India, Sri Lanka**.**

India: Karnataka, Kerala, Tamil Nadu.

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

6.Threat Status:

IUCN

BSI

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

8.Life Form: Chamaephytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value **Methodology**

12.Basic chromosome number(s):x=7[5]

13. Zygotic chromosome number(s):2n=28[2,3,4,5]

14. Gametic chromosome number(s):n=14[1,4]

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, aneusomaty, polysomaty):

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):