

Species Data Sheet

Datasheet No. A-045.001.019
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Dioscorea oppositifolia* L.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *D. opposita* Thunb., *D. oppositifolia* var. *dukhunensis* Prain & Burkill, *D. oppositifolia* var. *linnaei* Prain & Burkill, *D. oppositifolia* var. *thwaitesii* Prain & Burkill

3. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocot
- Order: Dioscoreales Mart.
- Family: [Dioscoreaceae](#) R. Br.
- Genus: *Dioscorea* L.
- Species: *D. oppositifolia* L.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogams
Class: Monocotyledons
Series: Epigynae
Ordo: [Dioscoreaceae](#) R. Br.
Genus: *Dioscorea* L.
Species: *D. oppositifolia* L.

4. Distribution:

Global: East Himalaya to Myanmar, Sri Lanka,

India: Goa, Gujarat, Karnataka, Kerala, Maharashtra, Tamil Nadu

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Climbing herb.

8. **Life Form:** Tuberous geophyte

9. **Economic Importance:**

10. **Probable Progenitor of:**

11. **DNA**

C-value

Methodology:

12. Basic chromosome number(s): $x=10^6$

13. Zygotic chromosome number(s): $2n=40^{6,8,11,15,16,21}80^3138-142^1140^8144^{17}$

14. Gametic chromosome number(s):

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

Image file

16. Ploidy level: Tetraploid⁶

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; Translocation etc):