

Species Datasheet

Datasheet No. A-377.020.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Eranthemum capense* L.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Daedalacanthus capensis* (L.) Druce, *D. fastigiatus* (Lam.) Alston, *D. montanus* T.Anderson, *Ecbolium montanum* (Wall.) Kuntze, *Eranthemum capense* var. *wightianum* (Wall. ex Nees) Karthik. & Moorthy, *E. fastigiatum* (Lam.) R.Br. ex Roem. & Schult., *E. montanum* (Roxb.) Roxb., *E. wightianum* Wall. ex Nees, *Gendarussa montana* (Nees) Bremek.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasterids
- Clade: Asterids
- Order: Lamiales
- Family: Acanthaceae Juss.
- Genus: *Eranthemum* L.
- Species: *E. capense* L.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Gamopetalae
- Series: Bicarpellatae
- Cohors: Personales
 - Ordo: Acanthaceae Juss.
- Genus: *Eranthemum* L.
- Species: *E. capense* L.

4.Distribution:

Global: Sri Lanka, India.

India: Kerala, Tamil Nadu.

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Shrub. Semi-evergreen and moist deciduous forests and sacred groves.

8. Life Form: Chamaephytes

9. Economic Importance: Medicinal.

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=22^{1, 2}$, $2n=30^3$

14. Gametic chromosome number(s)

15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/ Neocentric Chromosomes etc):

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

22. Banding pattern(s):

Image file

23.Physical mapping of chromosomes:GISH.

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

27.Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

DNA level

29.Any other information:(Translocations; Inversion; Female meiosis; Male meiosis; Male sterility)