

Species Datasheet

Datasheet No. A-377.020.009
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species:*Eranthemum purpurascens* Wight ex Nees

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:***Daedalacanthus purpurascens* (Wight ex Nees) T.Anderson, *Eranthemum nervosum* Dalzell & A.Gibson, *E. pulchellum* (Roxb.) Roxb.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasterids
- Clade: Asterids
- Order: Lamiales Bromhead
- Family: Acanthaceae Juss.
- Genus: *Eranthemum*L.
- Species: *E. purpurascens* Wight ex Nees

Bentham and Hooker (1862)

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

4.Distribution:

Global: Myanmar, Nepal and India.

India:Maharashtra, Tamil Nadu, Karnataka.

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

6.Threat Status:

IUCN:

BSI

7.Habit and Habitat:Shrub.Dry deciduous forests.

8.Life Form:Chamaephytes

9.Economic Importance:Medicinal.

10. Probable Progenitor of:

11.DNA

C-valueMethodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=84^6$

14. Gametic chromosome number(s): $n=42^6$

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

Image file

16.Ploidy level:Diploid⁶

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)