

Species Datasheet

Datasheet No. A-377.019.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Elytraria acaulis*(L.f.) Lindau

Subspecies

Variety:

Cultivar

Hybrid

Image file

2. **Synonyms:***Elytrariacrenata*Vahl, *E. indica* pers., *E. acaulis* var.*acaulis*

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasterids
- Clade: Asterids
- Order: Lamiales Bromhead
- Family: Acanthaceae Juss.
- Genus: *Elytraria*Michx.
- Species: *E.acaulis* (L.f.) Lindau

Bentham and Hooker(1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Gamopetalae
- Series: Bicarpellatae
- Cohors: Personales
- Ordo:Acanthaceae Juss.
- Genus: *Elytraria* Michx.
- Species: *E.acaulis* (L.f.) Lindau

4.Distribution:

Global:India, Sri Lanka, Tropical and South America, Western and Eastern Tropical Africa

India: Gujarat, Maharashtra, Tamil Nadu

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

6.Threat Status:

IUCN:

BSI:

7.**Habit and Habitat:**Herb. Moist shady places, also found in rocky or sandy soils.

8.**Life Form:**Chamaephytes

9.**Economic Importance:**

10. **Probable Progenitor of:**

11.**DNA**

C-valueMethodology

12.**Basic chromosome number(s):**

13. **Zygotic chromosome number(s):** $2n=44^1$, $2n=46^2$

14. **Gametic chromosome number(s):** $n=22^1$

15.**Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/ Neocentric chromosomesetc):**

Image file

16.**Ploidy level:**Diploid¹

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-Majority metacentric and sub-metacentric¹

Chromosome size-1.5µm to 2.5µm¹

NOR chromosome(s)

Degree of asymmetry:Symmetrical¹

Image file

22. Banding pattern(s):

Image file

23Physicalmappingofchromosomes:

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: