

Genus Datasheet

Datasheet No. A-377.020
(Family: Genus)

DBT- Network Progr

1. Genus: *Eranthemum* L.

2. Systematic Position:

APG IV (2016)

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

Bentham and Hooker (1862)

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

3. Species:

Global: 22

India: 18

4. Taxonomic riddles:

5. Distribution:

Global: Australia, Bahamas, Cuba, Dominican Republic, Haiti, India, Jamaica, Laos, Malaysia, Myanmar, Nepal, Philippines, Jamaica, Sri Lanka, Vietnam.

India: Throughout but most species are endemic to Western Ghats.

6. Habit and Habitat: Erect herb or shrub. Tropical to sub-tropical forests.

7. Economic Importance: Medicinal, Ornamental

8. DNA content range:

Methodology:

2C

4C

9. Basic chromosome number(s):

10. Zygotic chromosome number (s): $2n=22^{1,2}$, $2n=24^7$, $2n=30^{3,7}$, $2n=42^4$, $2n=84^6$

11. Gametic chromosome number (s): $n=15^7$, $n=21^5$, $n=42^6$

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/ Neocentric chromosomes):

13. Ploidy level: Diploid⁷

14. Nature of polyploidy (auto, segmental, allo, autoallo):

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

16. Karyograms: Majority metacentric and sub-metacentric^{1,2,3,4,5,6,7} Meiosis:

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level: Chromosomal level

DNA level

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information:

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