

Genus Datasheet
DBT- Network Programme

Datasheet No. A-403.028
(family.Genus)

1. Genus:*Dimorphotheca* Moench

2. Systematic position:APG IV; Bentham and Hooker:

APG IV (2016)

- Kingdom:Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasterids
- Clade: Asterids
- Order: Asterales Link
- Family: Asteraceae Bercht. & J. Presl
- Genus: *Dimorphotheca* Moench

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Gamopetalae
Series: Inferae
Cohors: Asterales Link
Ordo: CompositaeGiseke
Genus: *Dimorphotheca* Moench

3. Species:

Global: 19

India: 1

4. Taxonomic riddles:

5. Distribution:

Global:Australia, Bolivia, Costa Rica, El Salvador, Ethiopia, Honduras, India, South Africa, USA

India: North West Himalaya

6. Habit and Habitat:Herb.

7.Economic Importance:Ornamental

8. DNA content range:

Methodology

9. Basic chromosome number(s):

10. Zygotic chromosome number(s): $2n=18^1, 2n=17+1B^2, 2n=20^3$

11. Gametic chromosome number(s): $n=9^2, n=10^{3,4,5}$

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/ 1 chromosomes):B chromosomes²

13. Ploidy level:

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

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

16. Karyograms: Meiosis: 2,3,4,5

17. Banding pattern(s):

18. Physical mapping of chromosomes:GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: