

Genus Datasheet

Datasheet No. G-002.003
(Family.Genus)

DBT- Network Programme

1. Genus:*Encephalartos*Lehm.

Bentham and Hooker(1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Gymnospermeae

Ordo: Cycadaceae Pers.

Tribus: Encephalarteae

Genus: *Encephalartos*Lehm.

2. Systematic Position:

Christenhusz et al. (2011)

- Class: Equisetopsida C. Agardh
- Subclass: CycadidaePax
- Order: Cycadales Pers.
- Family: Zamiaceae Horan.
- Genus: *Encephalartos*Lehm.

3. Species:

Global: 68

India: 5

4. Taxonomic riddles:

5. Distribution:

Global:Native to [Africa](#)

India: Maharashtra, Tamil Nadu, Uttar Pradesh

6. Habit and Habitat:Largely underground trunk,medium-sized, clumping cycad, this species typically occurs as an understorey plant in sub-tropical coastal forest and in scrub, but populations also occur in more temperate areas.*E.hildebrandtii*grows in sandy plains and rocky hill tops.

7. Economic Importance: In several species the pith of the trunk contains a copious amount of hi below the crown

8. DNA content range:

Methodology

C-value 2C (pg): 42.17⁴ Feulgen microdensitometry⁴

9. Basic chromosome number(s): $x=9^{1, 2, 3, 4, 5}$

10. Zygotic chromosome number(s): $2n=18^{1, 3, 4, 5}, 27$ (Sporadic)³

1. Gametic chromosome number(s): $n=$

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

13. Ploidy level: Diploid^{3, 4, 5}, Triploid (sporadic)¹

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

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

16. Karyograms: ³

Miscellaneous

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: