

Species Datasheet

Datasheet No. A-076.013.016
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species *Calamus metzianus* Schtdl.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Calamus rivalis* Thwaites ex Trimen, *C. rudentum* Mart., *Palmijuncus rivalis* (Thwaites ex Trimen) Kuntze

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Clade: Commelinids
- Order: Arecales Bromhead
- Family: Arecaceae Bercht. & J. Presl
- Genus: *Calamus* L.
- Species: *C. metzianus* Schtdl.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Calycinae
Ordo: Palmae Juss.
Genus: *Calamus* L.
Species: *C. metzianus* Schtdl.

4. Distribution:

Global: India

India: Tamil Nadu, Kerala, Karnataka

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Climbing Palm. Moist deciduous forests of the Western Ghats.

8. **Life Form:** Phanerophytes

9. **Economic Importance:** It has some local uses.

10. **Probable Progenitor of:**

11. DNA

C- value

2C (3.60 pg)⁶

Methodology

Flow cytometry⁶

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

13. **Zygotic chromosome number(s):**

14. **Gametic chromosome number(s):**

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

Image file

16. **Ploidy level:**

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 file

22. Banding pattern(s):

Image file

23. Physical mapping of chromosomes:

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

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level¹⁷

29. Any other information (Apoixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocations etc):