

Species Datasheet

Datasheet No. A-073.001.006
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Pancratium triflorum* Roxb.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Pancratium malabathricum* Herb.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Amaryllidaceae J. St.-Hil.
- Subfamily: Amaryllidoideae Burnett
- Genus: *Pancratium* L.
- Species: *P. triflorum* Roxb.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Epigynae
Ordo: Amaryllidaceae J. St.-Hil.
Genus: *Pancratium* L.
Species: *P. triflorum* Roxb.

4. Distribution:

Global: India

India: Peninsular to East India

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Herb, tropical dry forest

8. **Life Form:** Bulbous geophyte

9. **Economic Importance:** Use as Cardiotonic, diuretic, and expectorant

10. **Probable Progenitor of:**

11. DNA

C- value

Methodology

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

13. **Zygotic chromosome number(s):** $2n=22^3, 33^3$

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

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

Image file

16. **Ploidy level:** Diploid, triploid³

Image file

17. **Agametoploidy**

18. **Nature of polyploidy (auto, segmental, allo, autoallo):** Autoploid³

19. **Genomic formula:**

20. **Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):**

21. **Somatic chromosomes:**

Karyotype Majority metacentric chromosomes³

Chromosome size Large to very large³

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 level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocations etc): pollen mitosis – ($n=11$) of diploid taxon³